

# Quality Control Products and Services







February 2023

This edition of the Quality Control Products and Services catalog features the **full range of control families**.

It also includes the newly launched **Cardiac Advance** control as part of the Cardiac Assessment portfolio.

This comprehensive, multi-analyte control is optimized for **high sensitivity Troponin** near the limit of detection, and it is offered in multiple configurations to fit your laboratory's needs.

Find more details on **InteliQ Cardiac Advance** on page 9.

Find more details on **Liquichek Cardiac Advance** on page 28.

# Support for Bio-Rad controls and software products does not end after you receive your products

These support groups are available to help you with your questions and needs

## By Phone within the U.S.

1-800-854-6737  
Monday – Friday  
5:00 AM to 4:00 PM  
Pacific Time (PT)

## By Fax

1-949-598-1531

## Quality Controls Technical Support

When you purchase control products from Bio-Rad, you receive the backing of a full-service Technical Support Department. Bio-Rad Technical Service Representatives are trained to handle your inquiries in a prompt, knowledgeable and professional manner.

## Unity™ and EQAS™ Program Support

The QC Program Department at Bio-Rad offers you expert technical support and information for all Unity and EQAS reports. Our QC Program staff answers inquiries about the Unity Interlaboratory Program, QCNet enrollments, as well as EQAS enrollments, submission of data and cycle dates.

## Software and Connectivity Support

The Software and Connectivity Support Department is dedicated to helping your laboratory get up and running with the latest QC data management and connectivity solutions from Bio-Rad. With the help of our experts, we'll make sure your laboratory is able to capture, analyze and submit QC data successfully.

## For Worldwide Customers

For service outside the United States, please refer to the inside back cover for the Bio-Rad location nearest you.

---

## Online Resources

### QCNet™

Learn more about the many QC tools and resources from Bio-Rad at [www.QCNet.com](http://www.QCNet.com)

### Unity™ Interlaboratory Reports

- Access your monthly Unity and InstantQC Reports in just a few quick clicks

### Online Resources available on QCNet

- My eInserts
- QC Articles
- QC Webinars
- Training and Education
- Technical Documents
- Value Assignment Program
- Barcode Label Generator
- eInserts XML
- Linearity Web
- FAQs
- Link to YouTube channel

### EQAS™ Resources on QCNet.com

Use the [EQAS page](#) for quick access to program essentials

Access program information, product inserts and user documentation through [www.QCNet.com](http://www.QCNet.com). This secure website allows registered participants access to training material, customer notifications and provides the ability to submit results with EQAS Online and view or print EQAS reports.

### Access Bio-Rad product literature online

For more detailed product information, visit our [websites](#)

**QCNet.com**—Click on the Technical Documents page for access to Quality Control literature.

**Bio-Rad.com**—Click on the Literature Library link on the home page to search for a specific product or product family.



# Powering Exceptional Labs

Bio-Rad harnesses independent QC to take your lab to the next level, so you can stand behind your results, minimize risk and costly errors, and improve your workflow to power exceptional performance for your laboratory.

We offer high-quality materials, insightful informatics systems and renowned customer support, including staff training, lot reservation and technical expertise. We go beyond just monitoring precision to help you improve performance in your laboratory. We demand and invest in quality—because patients deserve nothing less.

## Table of Contents

### Quality Control Products & Services

- QC Data Management Solutions . . . . . 2
- IntelliQ Controls . . . . . 8
- Infectious Disease: Molecular Quality Controls and Standards . . . . . 13
- Blood Gas Controls . . . . . 27
- Cardiac Assessment Controls . . . . . 28
- Chemistry Controls & Serum Indices . . . . . 30
- Coagulation Controls . . . . . 37
- Diabetes/Hemoglobin Controls . . . . . 38
- External Quality Assurance Services (EQAS) . . . . . 40
- Hematology Controls . . . . . 46
- Immunoassay Controls . . . . . 52
- Immunology/Protein Controls . . . . . 58
- Infectious Disease: Serology Controls . . . . . 62
- Therapeutic Drug Monitoring Controls . . . . . 70
- Toxicology: Drugs-of-Abuse Controls . . . . . 72
- Toxicology: Specialty Controls . . . . . 78
- Urinalysis Controls . . . . . 80
- Accessories . . . . . 81

### Analyte Charts

- Control Analyte Index . . . . . 82
- Blood Gas Controls Analyte Index . . . . . 104
- Cardiac Assessment Controls Analyte Index . . . . . 104
- Hematology Controls Analyte Index . . . . . 105
- Infectious Disease: Molecular Quality Controls and Standards Analyte Index . . . . . 106
- Infectious Disease: Serology Controls Analyte Index . . . . . 110
- IntelliQ Analyte Index . . . . . 112
- QC Products in Compact Vials Analyte Index . . . . . 116
- External Quality Assurance Services (EQAS) Analyte Index . . . . . 118

### Index

- Alphabetical Index . . . . . 122
- Catalog Number Index . . . . . 125

### Additional Information

- How to Place an Order . . . . . 131
- Legal Notices . . . . . 132
- Worldwide Contact Information . . . . . Inside Back Cover

# Unity™ QC Software Solutions

Your strategy for  
smarter QC



With the world's largest QC peer group, Unity is the industry's leading software solution specifically designed to optimize laboratory QC practices and streamline workflows. By providing QC data in the form of real-time reports, your system will be better able to detect and correct problems before they impact patient results. Unity's robust desktop- or cloud-based interface and data management tools help improve your lab's analytical performance and attain a higher level of confidence in your test results. For a fully integrated QC system—from quality control to data analysis—choose Bio-Rad for independent QC.

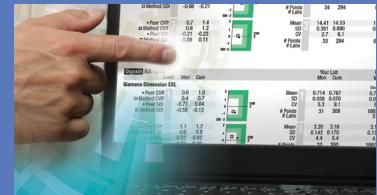
## Powerful, real-time data management



Provides the largest community  
of QC users



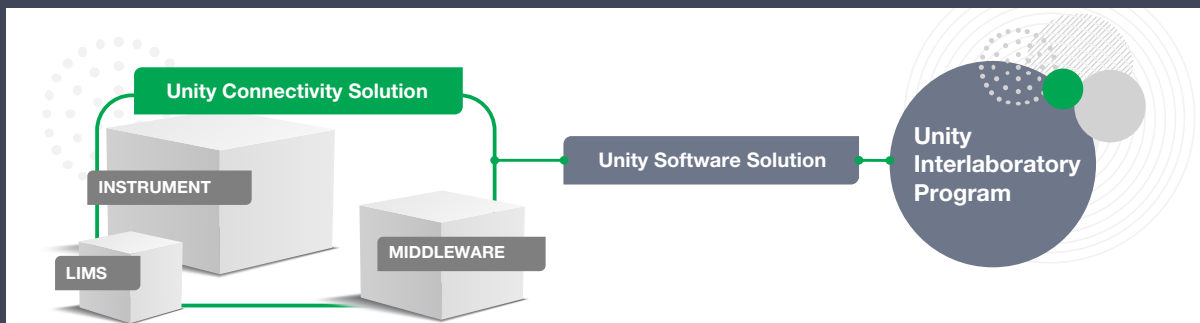
Streamlined workflow and  
optimized performance



Increased confidence and  
reliable patient results

## Data Transfer and Connectivity Solutions

Bio-Rad offers several interoperability solutions to capture and process QC data directly from your laboratory devices or information systems. Bio-Rad connectivity solutions allow your lab to easily and automatically collate data, eliminate manual tasks, and efficiently troubleshoot problems. These solutions seamlessly connect a wide range of instruments and platforms to Bio-Rad's Unity software, helping you unlock the power of quality in your lab.



# Join over 29,000 of your peers who already use the Unity Interlaboratory Program, the most robust program for clinical labs

Bio-Rad Quality Controls are part of the Unity Program with industry-leading features for benchmarking laboratory performance. Whether a lab produces five hundred or five million results a year, the lab director bears ultimate responsibility for the accuracy and timeliness of each test result.<sup>1</sup>

A patient risk approach to QC means planning your QC based on the type or method of the test and its impact on patient outcomes when a failure is detected. As the world's leader in clinical laboratory QC, we've established the foundation to help you make the transition to patient-focused QC.

- Benefit from peer data generated from more than 50,000 instruments worldwide and 65 million monthly QC results
- Utilize real-time access to peer group comparisons to help with troubleshooting
- Consolidate your entire laboratory into one QC system

- Facilitate run-time decisions with optimized Westgard rules
- Facilitate compliance with simple tools to review rule violations and document corrective actions
- Define your own quality requirements and track key quality performance indicators
- Automate QC data from instruments, middleware and/or LIS systems with Unity connectivity

This sophisticated software includes best-in-class peer tools to support releasing results, benchmarking laboratory performance, and designing your QC system. Unity enables you to work smarter, making it possible to achieve optimum lab practice for your QC workflow. Reducing manual QC data management tasks with software automation frees your staff to focus on more critical tasks. Unity ultimately helps your team deliver objectives more efficiently and with greater ease.

## Unity™ Interlaboratory Reports

There has never been a better time to be a member of the world's largest QC peer group program

**Unity**
January 2022 • Lab 12345

Associated Regional Laboratory  
 123 Main Street  
 Anytown, NY 12345-6789  
 Attention: Lab Supervisor

### Monthly Evaluation

Immunoassay Plus • Lot 12345 • Exp 01-Jan-2024

Please review your QC reports for January 2019.

**! The tests listed below may require investigation or review !**

Siemens Dimension RXL	Level	Lab	Peer	Method
Peer CVR 0.9 Method CVR 0.4 Peer SDI -2.1 Method SDI -1.6  Peer CVR 0.8 Method CVR 0.4 Peer SDI 0.25 Method SDI -0.33	1	2.15	2.80	3.00
	SD	0.14	0.170	0.253
	CV	6.5	6.0	8.4
	# Points	31	6797	20391
		223	670	
2	5.54	5.98	6.31	
SD	0.171	0.209	0.469	
CV	3.1	3.5	7.4	
# Points	32	6589	19764	
		220	659	
3	7.94	7.87	8.13	
SD	0.215	0.273	0.575	
CV	2.7	3.5	7.1	
# Points	33	6797	20391	
		223	670	

**Data Exclusion:** Lab Mean = 2.15  
 Acceptable values are 2.1941 to 3.5306  
 This data was not used as part of the Unity worldwide statistical database.

**Warning:** Acceptable values are above -2.0, below 2.0

This level is within established parameters

**Unity**
January 2022 • Lab 12345

Associated Regional Laboratory  
 123 Main Street  
 Anytown, NY 12345-6789  
 Attention: Lab Supervisor

### Laboratory Comparison Report

Immunoassay Plus • Lot 12345 • Exp 01-Jan-2024

Curvamsazopirins (Lipogard)	Immunoassay Plus			Your Lab		Peer Group		Method Group	
	Level	Mon	Cum	Mon	Cum	Mon	Cum	Mon	Cum
Siemens Dimension EXL									
Peer CVR	0.9	1.8	2	2.99	2.99	2.97	3.01	2.90	2.90
Method CVR	0.8	1.7	1	0.170	0.372	0.196	0.209	0.201	0.219
Peer SDI	0.10	-0.12	4	5.7	12.5	6.6	7.0	6.9	7.6
Method SDI	0.45	0.4	-1	33	316	6794	53336	20382	160K
# Points						226	308	677	925
# Labs									
Peer CVR	0.9	0.9	2	8.75	8.66	8.73	8.88	8.77	8.75
Method CVR	0.8	0.8	1	0.314	0.396	0.369	0.402	0.414	0.446
Peer SDI	0.05	-0.55	4	3.6	4.2	4.2	4.5	4.7	5.1
Method SDI	-0.06	-0.21	-1	34	294	6412	50441	19236	151K
# Points						222	303	666	909
# Labs									
Peer CVR	0.7	1.4	1	14.41	14.53	14.54	14.68	14.47	14.45
Method CVR	0.6	1.2	1	0.391	0.890	0.588	0.661	0.640	0.730
Peer SDI	-0.21	-0.23	1	2.7	6.1	4.0	4.5	4.4	5.1
Method SDI	-0.09	0.11	-1	33	294	6794	53336	20382	160K
# Points						226	308	677	925
# Labs									

Unity Interlaboratory Reports provide visualizations to indicate your laboratory performance. With monthly evaluation reports, receive notifications of data exclusions and identify potential issues in your QC performance. Additional reports allow you to view your trending data over the past 12 months and vital statistics are shown in a comprehensive overview compared to peer and method consensus groups.

### Unity Interlaboratory Program reports feature:

- Logical arrangement of data provides a quick and intuitive read
- Data consolidation and imagery simplifies interpretation of lab data

### List of Available Reports

- Monthly Evaluation
- Laboratory Performance Overview
- Laboratory Comparison Report
- Laboratory Histogram
- Bias & Imprecision Histogram
- Worldwide Report
- Statistical Profile Report
- Affiliated Laboratory Comparison Report
- Affiliated Laboratory Comparison Report: Abbreviated Summary
- Affiliated Data Exception Report
- Urinalysis Reports
- Qualitative Worldwide Report
- Blood Typing/Serum Indices Report
- Instant QC Report

## Choose From Four Unity™ Solutions

Bio-Rad Laboratories offers several options for participation in the Unity Interlaboratory Program. Refer to the product comparison grid below to help determine which solution is the most appropriate for your laboratory.

	UnityWeb	Unity Real Time LT	Unity Real Time online	Unity Real Time
<b>Type of Solution</b>				
Web Service (Web-based)	●		●	
Desktop Software		●		●
<b>Unity Interlaboratory Reports</b>				
Monthly Reports	●	●	●	●
InstantQC Reports	●	●	●	●
<b>Basic Intralaboratory Charts &amp; Reports</b>				
Westgard Rules	●	●	●	●
Various Charts and Reports	●	●	●	●
<b>Additional Features</b>				
Westgard Advisor (Subscription sold separately)	●		●	●
Bench Review with Data Review Report	●	●	●	●
Supervisor Data Review with Data Review Report			●	●
Analytical Goals			●	●
Dynamic Data Set Comparisons			●	●
<b>Database Platform</b>				
Bio-Rad Hosted	●		●	
Installed on Local Laboratory PC		●		●
<b>Connectivity (Sold separately)</b>				
WebConnect (data file upload)	●		●	
UnityConnect	●	●	●	●

Want to know more? Discover the power of Unity Solutions at [www.qcnet.com/qc-data-management](http://www.qcnet.com/qc-data-management)



### Customers agree:

*"The documentation of Bio-Rad Controls using the Unity QC Program has been well accepted by CAP inspectors. Worry-free QC."*

— Laboratory Director,  
Health Center

*"To compare our data with a substantial peer group ensures that we are turning out reliable patient data."*

— Laboratory Supervisor,  
School of Medicine

*"The reports are clean and easy to read and understand. For each test, Unity Reports for our lab show a summary of our data, our instrument group, and our method group—reports are simple."*

— Clinical Chemist,  
Hospital Laboratory



## Unity Real Time™ LT

### Entry-Level Desktop QC Data Management Solution

- Basic QC rules, charts and reports
- Configurable Levey-Jennings charts
- Upgrade easily to Unity Real Time for more advanced tools and features
- Upload QC data points from an LIS, middleware or instrument (optional)

#### Ordering Information

Cat #	Description
804	Installation Package. . . . . Single use
805-1	Unity Real Time LT. . . . . Annual subscription
825i	Unity Remote Installation & Training. . . . . Single use
858i	Additional Software Training . . . . . Single use

## UnityWeb™

### Entry-Level Online QC Data Management Solution

- No software to install and maintain
- Use basic QC rules, charts and reports
- Upgrade easily to Unity Real Time online for more advanced tools and features
- Upload QC data points from an LIS, middleware or instrument (optional)

#### Ordering Information

Cat #	Description
870-1	UnityWeb. . . . . Annual subscription
825i	Unity Remote Installation & Training. . . . . Single use
858i	Additional Software Training . . . . . Single use

## WebConnect

A web-based connectivity solution that allows laboratories to easily upload QC data from LIS systems, middleware and/or instruments directly into Unity Real Time online or UnityWeb

- Eliminate manual keying of data
- Standard LIS QC reports can be used
- No software to install

#### Ordering Information

Cat #	Description
870-W1	WebConnect 2.0 . . . . . Annual subscription
825i	Unity Remote Installation & Training. . . . . Single use
858i	Additional Software Training . . . . . Single use

## QC Lot Viewer

**A cloud-based application that allows visibility into QC standing orders to help simplify order planning**

- Standing QC order reports
- Shipment metric reports
- Multiple users
- Free and unlimited access

#### Ordering Information

Available to eligible customers. Contact sales for more information.

**Available in the US only**

## Unity Real Time™

### Expert QC Data Management Solution for Desktop Users

- Facilitate compliance under CLIA and ISO 15189
- Improve real-time bench and supervisor QC data review
- Implement best QC rules when used with Westgard Advisor
- Run validation with comprehensive audit trails
- Advanced charts and reports for data analysis
- Reduce non-essential retests with Analytical Goal options
- Upload QC data points from an LIS, middleware or instrument (optional)
- RiLiBÄK module available to comply with German regulations
- GOST module available to comply with Russian regulations

### Ordering Information

Cat #	Description
804	Installation Package. . . . . Single use
804-1	Unity Real Time . . . . . Annual subscription
825i	Unity Remote Installation & Training. . . . . Single use
858i	Additional Software Training . . . . . Single use

## Unity Real Time™ online

### Expert QC Data Management Solution for Online Users

- Facilitate compliance under CLIA and ISO 15189
- Improve real-time bench and supervisor QC data review
- Implement best QC rules when used with Westgard Advisor
- Run validation with comprehensive audit trails
- Advanced charts and reports for data analysis
- Reduce non-essential retests with Analytical Goal options
- Upload QC data points from an LIS, middleware or instrument (optional)

### Ordering Information

Cat #	Description
804-W1	Unity Real Time online . . . . . Annual subscription
825i	Unity Remote Installation & Training. . . . . Single use
858i	Additional Software Training . . . . . Single use

## UnityConnect

**A connectivity solution that allows QC data from LIS systems, middleware and/or instruments to be quickly and easily imported into Unity software, enabling interlaboratory program comparison**

- Eliminate manual keying of QC data
- Standard LIS QC reports can be used
- Automatic data import and real-time connection
- Transparent to the flow of data to the LIS
- Capture and analyze QC data economically from laboratory instruments not connected to the LIS
- Easy-to-install optional interface hardware
- Choose from soft, serial and ethernet connections

### Ordering Information

Cat #	Description
820-1	UnityConnect Software . . . . . Annual subscription
858i	Additional Software Training . . . . . Single use

Hardware solutions available for serial and network devices. Contact your Bio-Rad sales representative for recommendation.

### Bio-Rad Mission: Control™

**Take the guesswork out of your QC strategy**

- Determine your laboratory’s Risk Management Index (RMI)
- Evaluate your test method performance based on your QC results
- Quantify the likelihood and severity of reporting incorrect patient results
- Assess how much you can lower your risk, based on instrument performance
- Create a QC Plan by confidently selecting rules and frequency that fit your risk tolerance
- Minimize your risk of reporting unreliable patient results

**Ordering Information**

Cat #	Description
11000002	Mission: Control. . . . .Annual Subscription
11000005	Mission: Control. . . .Subscription and Service Bundle

### Westgard Advisor

**Automatic QC Rules Selection Engine**

- Recommend and automatically apply best QC rules with patented technology
- Easy step-by-step automatic rule selection capabilities
- Reduce false rejections and desensitization to false error flags
- Save time and money by reducing unnecessary repeats and troubleshooting
- Improve laboratory test quality with optimally selected QC rules
- Available as an optional module with Unity QC data management solutions

**Ordering Information**

Cat #	Description
811-1	Westgard Advisor . . . . .Annual subscription
825i	Unity Remote Installation & Training. . . . . Single use
858i	Additional Software Training . . . . . Single use

### Unity™ Alert

**Continuously Monitor QC Status**

- Notifications of missing QC runs can help to ensure proper monitoring of instrument performance
- Notifications of new violations can be useful for troubleshooting and monitoring problem analytes
- Alert rules are easy to set up and customize for specific instruments or tests
- Receive emails remotely to stay informed of QC issues in your laboratory
- Color-coded displays help draw attention to the most urgent QC issues
- Notifications are provided even when Unity Real Time is not in use
- Available as an optional module with Unity Real Time

**Ordering Information**

Cat #	Description
806-1	Unity Alert . . . . .Annual subscription
825i	Unity Remote Installation & Training. . . . . Single use
858i	Additional Software Training . . . . . Single use

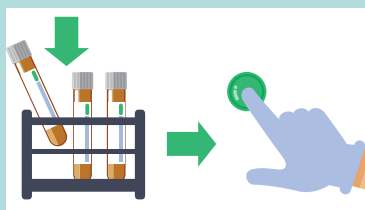
# InteliQ™ Load-and-Go Quality Controls

Ready-to-use,  
pre-barcoded tubes  
help automate  
your QC workflow

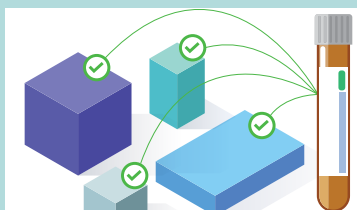


Transform your QC workflow with load-and-go efficiency and robust data management. Bio-Rad's InteliQ quality controls are the only barcoded, independent quality controls that are compatible with most major chemistry and immunoassay platforms. Because the pre-barcoded tubes are ready to load directly onto your instrument, InteliQ quality controls help automate your QC workflow—reducing turnaround time, limiting manual errors, and increasing your lab's overall efficiency. Combined with Unity data management, InteliQ provides a smarter way to manage your QC.

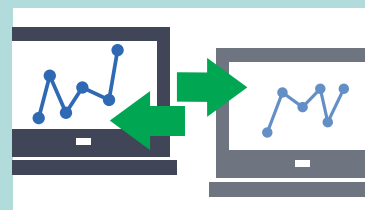
## Transform your QC Workflow



Streamlined, automated workflow



Universal compatibility



Confidence in patient results

## Benefits of InteliQ Quality Controls



### Improve Turnaround Time

Pre-barcoded, ready-to-use quality controls reduce hands-on time and manual errors, providing faster turnaround from sample to result.



### Enhance Staff Satisfaction

Automated QC set-up increases laboratory efficiency and promotes staff satisfaction.



### Reduce Laboratory Waste

Eliminating pour-off steps reduces waste and saves money while open-vial storage options allow for repeated use of QC tubes.

### InteliQ™ Assayed Multiquial Control



- Provides comprehensive range of 80 analytes to maximize testing efficiency for automated platforms
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 7 day stability at 2-8°C for most analytes (refrigerated, off-board, all instruments)\*
- 14 day stability at 2-8°C for most analytes (on-board Siemens Atellica Solution instrument)

#### Ordering Information

Cat #	Description
12008256	Level 1 . . . . . 12 x 3 mL
12008257	Level 2 . . . . . 12 x 3 mL
12008258	Level 3 . . . . . 12 x 3 mL
12008259	Trilevel MiniPak (1 of each level) . . . . . 3 x 3 mL

#### Analytes

α-1-Antitrypsin	Bilirubin (Total)	Gentamicin	Potassium
α-1-Globulin	Calcium	Glucose	Prealbumin
α-2-Globulin	Calcium (Ionized)	Haptoglobin	Protein Serum (Total)
β-Globulin	Carbamazepine	Immunoglobulin A (IgA)	Salicylate
γ-Globulin	Carbon Dioxide (CO <sub>2</sub> )	Immunoglobulin G (IgG)	Sodium
γ-Glutamyltransferase (GGT)	Ceruloplasmin	Immunoglobulin M (IgM)	T3 (Total)
Acetaminophen	Chloride	Iron	T3 Uptake/T Uptake
Acid Phosphatase (Total)	Cholesterol (HDL)	Iron (TIBC)	T4 (Free)
Albumin	Cholesterol (LDL)	Iron (UIBC)	T4 (Total)
Albumin-to-Globulin Ratio	Cholesterol (Total)	Lactate (Lactic Acid)	Theophylline
Alkaline Phosphatase	Cholinesterase	Lactate Dehydrogenase (LDH)	Thyroid Stimulating Hormone (TSH)
ALT/SGPT	Complement C3	LAP Arylamidase	Tobramycin
Amikacin	Complement C4	Lipase	Transferrin
Amylase	Copper	Lithium	Triglycerides
Amylase (Pancreatic)	Cortisol	Magnesium	Urea
Apolipoprotein A-I	Creatine Kinase (CK)	Osmolality	Urea Nitrogen (BUN)
Apolipoprotein B	Creatinine	Phenobarbital	Uric Acid
AST/SGOT	Digoxin	Phenytoin	Valproic Acid
Bilirubin (Direct)	Ethanol	Phospholipids	Vitamin B <sub>12</sub>
Bilirubin (Neonatal)	Ferritin	Phosphorus	Zinc

### NEW Cardiac Advance

#### InteliQ™ Cardiac Advance Control



- Consolidated multi-analyte cardiac control optimized for high sensitivity Troponin and barcoded for load-and-go efficiency.
- Liquid, human serum based
- Optimized for high sensitivity troponin
- Level 1 Troponin values near limit of detection for most instruments. Choice of 4 levels
- 28 month shelf life at -20°C to -70°C
- 10 day stability at 2-8°C for most analytes (refrigerated, off-board, all instruments)\*
- 10 day stability at 2-8°C for most analytes (on-board Siemens Atellica Solution instrument)

#### Ordering Information

Cat #	Description
12016484	Level 1 . . . . . .6 x 3 mL
12016485	Level 2 . . . . . .6 x 3 mL
12016486	Level 3 . . . . . .6 x 3 mL
12016487	Level 4 . . . . . .6 x 3 mL

For Liquechek Cardiac Advance Control, see page 28

#### Analytes

BNP	Digitoxin	Myoglobin	Troponin T
CK-MB Isoenzyme	Galectin-3	NT-proBNP	
C-Reactive protein (CRP)	Homocysteine	Troponin I	

Compatible with Siemens and Roche platforms. Abbott users should use InteliQ Cardiac Markers Plus Control LT. Homocysteine not compatible with Siemens platforms. Siemens users should use InteliQ Homocysteine Control.

\*Please refer to the package insert for platform-specific stability and performance claims. Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

**InteliQ™ Cardiac Markers Plus Control LT**



- Multi-analyte control designed to monitor precision of cardiac assessment assays
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 10 day stability at 2-8°C with exceptions (refrigerated, off-board, all instruments)\*
- 20 day stability at 2-8°C with exceptions (on-board Siemens Atellica Solution instrument)

**Ordering Information**

Cat #	Description	
12009955	Level 1	.6 x 3 mL
12009958	Level 1A	.6 x 3 mL
12009959	Level 1B	.6 x 3 mL
12009960	Level 1C	.6 x 3 mL
12009956	Level 2	.6 x 3 mL
12009957	Level 3	.6 x 3 mL
12009961	Level 1 MiniPak	.1 x 3 mL
12009964	Level 1A MiniPak	.1 x 3 mL
12009965	Level 1B MiniPak	.1 x 3 mL
12009966	Level 1C MiniPak	.1 x 3 mL
12009962	Level 2 MiniPak	.1 x 3 mL
12009963	Level 3 MiniPak	.1 x 3 mL

**Analytes**

BNP  
 CK (Total)  
 CK-MB Isoenzyme  
 CRP<sup>1</sup>  
 Digitoxin  
 Myoglobin

NT-proBNP  
 Troponin I<sup>2</sup>  
 Troponin T

<sup>1</sup>High-sensitivity CRP available.  
<sup>2</sup>High-sensitivity Troponin I available.

**InteliQ™ Diabetes Control**



- Trilevel HbA1c control designed to monitor the precision of test procedures associated with diabetes monitoring for Hemoglobin A1C
- Liquid, human whole blood based
- 3 year shelf life at -20°C to -70°C
- 10 day stability at 2-8°C (refrigerated, off-board, all instruments)\*
- 45 day stability at 2-8°C (on-board Siemens Atellica Solution instrument)

**Ordering Information**

Cat #	Description	
12008309	Level 1	.6 x 2 mL
12008310	Level 2	.6 x 2 mL
12008311	Level 3	.6 x 2 mL
12008312	Trilevel MiniPak (1 of each level)	.3 x 2 mL

**Analyte**

Hemoglobin A1C

**InteliQ™ Ethanol/Ammonia Control**



- Normal, elevated and toxic concentrations of Ethanol and Ammonia to monitor precision across the clinical range
- 2 year shelf life at 2-8°C
- Ammonia:
  - 4 day stability at 2-8°C (refrigerated, off-board, all instruments)\*
  - 13 day stability at 2-8°C (on-board Siemens Atellica Solution instrument)
- Ethanol:
  - 3 day stability at 2-8°C (refrigerated, off-board, all instruments)\*
  - 3 day stability at 2-8°C (on-board Siemens Atellica Solution instrument)

**Ordering Information**

Cat #	Description	
12008299	Level 1	.6 x 2 mL
12008300	Level 2	.6 x 2 mL
12008301	Level 3	.6 x 2 mL
12008302	Trilevel MiniPak (1 of each level)	.3 x 2 mL

**Analytes**

Ammonia  
 Ethanol

\*Please refer to the package insert for platform-specific stability and performance claims. Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

### InteliQ™ Homocysteine Control



- Monitors precision of Homocysteine assays
- Liquid, human serum based
- 30 day stability at 2-8°C (on-board Siemens Atellica Solution instrument)
- 5 day open-vial stability at 2-8°C (refrigerated, off-board, all instruments)\*

#### Ordering Information

Cat #	Description	Volume
12004309	Level 1	.6 x 1 mL
12004310	Level 2	.6 x 1 mL
12004311	Level 3	.6 x 1 mL
12004312	Trilevel MiniPak (1 of each level)	.3 x 1 mL

#### Analyte

Homocysteine

### InteliQ™ Immunoassay Plus Control



- Offers a wide range of popular immunoassay analytes
- Provides an efficient solution for laboratories that focus on routine testing
- Liquid human serum based
- 28 month shelf life at -20°C to -70°C
- 10 day stability at 2-8°C for most analytes (refrigerated, off-board, all instruments)\*
- 14 day stability at 2-8°C for most analytes (on-board Siemens Atellica Solution instrument)

#### Ordering Information

Cat #	Description	Volume
12009948	Level 1	12 x 4 mL
12009949	Level 2	12 x 4 mL
12009950	Level 3	12 x 4 mL
12009951	Trilevel MiniPak (1 of each level)	.3 x 4 mL

#### Analytes

Acetaminophen	Ferritin	Luteinizing Hormone (LH)	T3 (Total)
AFP	Folate	N-Acetyl Procainamide (NAPA)	T3 Uptake/T Uptake
Amikacin	FSH	Phenobarbital	T4 (Free)
Androstenedione	Gentamicin	Phenytoin	T4 (Total)
Caffeine	hCG	Primidone	Testosterone
Carbamazepine	hGH	Procainamide	Theophylline
CEA	Immunoglobulin A (IgA)	Progesterone	Thyroid Stimulating Hormone (TSH)
CK-MB Isoenzyme	Immunoglobulin E (IgE)	Prolactin	Thyroxine Binding Globulin (TBG)
Cortisol	Immunoglobulin G (IgG)	PSA (Free)	Tobramycin
Dehydroepiandrosterone-Sulfate (DHEA-Sulfate)	Immunoglobulin M (IgM)	PSA (Total)	Tricyclic Antidepressants (TCA)
Digoxin	Insulin	Quinidine	Valproic Acid
Estradiol	Iron	Salicylate	Vancomycin
Estril (Free)	Lidocaine	SHBG	Vitamin B <sub>12</sub>
	Lithium	T3 (Free)	

### InteliQ™ Immunology Control



- Comprehensive menu of serum proteins and analytes, including Rheumatoid Factor
- Liquid human serum based
- 2 year shelf life at -20°C to -70°C
- 10 day stability at 2-8°C for most analytes (refrigerated, off-board, all instruments)\*
- 30 day stability at 2-8°C for most analytes (on-board Siemens Atellica Solution instrument)

#### Ordering Information

Cat #	Description	Volume
12009941	Level 1	.6 x 3 mL
12009942	Level 2	.6 x 3 mL
12009943	Level 3	.6 x 3 mL
12009944	Trilevel MiniPak (1 of each level)	.3 x 3 mL

#### Analytes

α-1-Acid Glycoprotein (AAG)	Antithrombin III	Ferritin	Lipoprotein (a)
α-1-Antitrypsin (AAT)	Apolipoprotein A-1	Haptoglobin	Prealbumin
α-2-Macroglobulin	Apolipoprotein B	Immunoglobulin A (IgA)	Properdin Factor B
β-2-Microglobulin	C1 Inhibitor	Immunoglobulin E (IgE)	Protein Serum (Total)
ADNase B	Ceruloplasmin	Immunoglobulin G (IgG)	Retinol Binding Protein (RBP)
Albumin	Complement C3	Immunoglobulin G Subclasses 1-4	Rheumatoid Factor
Antistreptolysin O (ASO)	Complement C4	Immunoglobulin M (IgM)	Transferrin
Anti-Cyclic Citrullinated Peptide (Anti-CCP)	C-Reactive Protein (CRP)	Kappa Light Chain	*Endogenous levels only.
	Cystatin C <sup>1</sup>	Lambda Light Chain	

\*Please refer to the package insert for platform-specific stability and performance claims. Refer to myInSerts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

**InteliQ™ Specialty Immunoassay Control**



- Multi-analyte control for monitoring the precision of specialty immunoassay testing
- Liquid, human serum based
- 2 year shelf life at -20°C to -70°C
- 10 day stability at 2-8°C for most analytes (refrigerated, off-board, all instruments)\*
- 30 day stability at 2-8°C for most analytes (on-board Siemens Atellica Solution instrument)

**Ordering Information**

Cat #	Description	
12008276	Level LTA	6 x 4 mL
12008277	Level 1	6 x 4 mL
12008278	Level 2	6 x 4 mL
12008279	Level 3	6 x 4 mL
12008280	Four Level MiniPak (1 of each level)	4 x 4 mL

**Analytes**

25-Hydroxy Vitamin D  
 Anti-Thyroglobulin (Anti-Tg)  
 Anti-Thyroperoxidase (Anti-TPO)  
 C-Peptide

Erythropoietin (EPO)  
 Insulin Growth Factor I (IGF-I)/Sorratomedin C  
 Intact PTH  
 Osteocalcin

**InteliQ™ Tumor Marker Control**



- Comprehensive, assayed, multi-analyte control
- Monitors precision of immunoassay-based oncology testing procedures
- Liquid, human serum based
- 28 month shelf life at -20°C to -70°C
- 10 day stability at 2-8°C for most analytes (refrigerated, off-board, all instruments)\*
- 30 day stability at 2-8°C for most analytes (on-board Siemens Atellica Solution instrument)

**Ordering Information**

Cat #	Description	
12008289	Level 1	6 x 2 mL
12008290	Level 2	6 x 2 mL
12008291	Level 3	6 x 2 mL
12008292	Trilevel MiniPak (1 of each level)	3 x 2 mL

**Analytes**

α-Fetoprotein (AFP)  
 β-2-Microglobulin  
 CA 15-3  
 CA 19-9  
 CA 27.29  
 CA 72-4\*\*

CA 125  
 Carcinoembryonic Antigen (CEA)  
 Cyfra 21-1\*\*  
 Ferritin  
 hCG  
 HE4

HER-2/neu  
 Insulin Growth Factor I (IGF-I)  
 PAP  
 ProGRP\*\*  
 Prolactin  
 PSA (Free)

PSA (Total)  
 SCC\*\*  
 Thyroglobulin (Tg)

\*\*International Use Only

**InteliQ™ Urine Chemistry Control**



- Liquid, bilevel human urine based control
- Ideal for monitoring urine chemistry test procedures.
- Offers 19 analytes
- 2 year shelf life at 2-8°C
- 10 day stability at 2-8°C for most analytes (refrigerated, off-board, all instruments)\*
- 30 day stability at 2-8°C for most analytes (on-board Siemens Atellica Solution instrument)

**Ordering Information**

Cat #	Description	
12009995	Level 1	12 x 3 mL
12009996	Level 2	12 x 3 mL
12009997	Bilevel Minipak (1 of each level)	2 x 3 mL

**Analytes**

Amylase  
 Calcium  
 Chloride  
 Cortisol  
 Creatinine

Glucose  
 Magnesium  
 Microalbumin  
 Osmolality  
 pH

Phosphorus  
 Potassium  
 Pregnancy/hCG (Qualitative)  
 Protein (Total)  
 Sodium

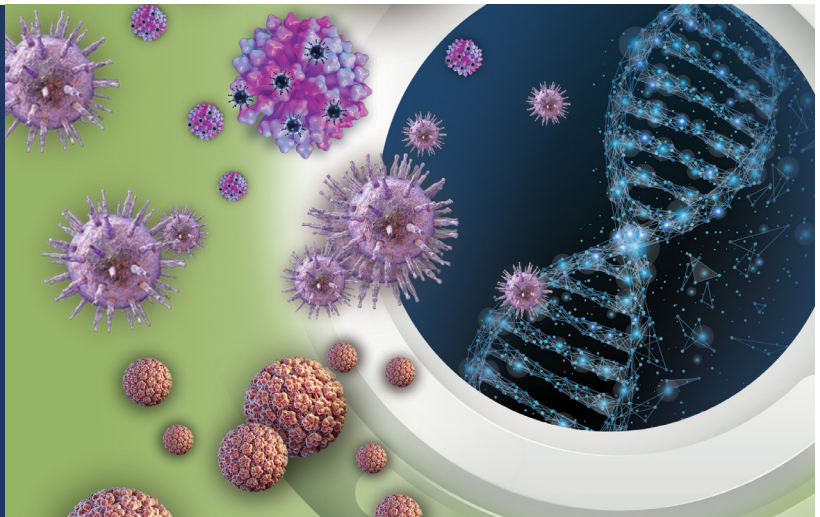
Specific Gravity  
 Urea  
 Urea Nitrogen (BUN)  
 Uric Acid

\*Please refer to the package insert for platform-specific stability and performance claims. Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



# Molecular Quality Controls and Standards

Setting a new standard in lab performance. Together.



With our expertise designing molecular standards and quality controls, and the power of data management, we are helping you to advance the field of molecular diagnostics by driving quality and care.



## Comprehensive portfolio of molecular diagnostic standards and controls

The Exact Diagnostics line of molecular standards and controls provide high-quality QC solutions for key diagnostic areas. These products feature unsurpassed quality, characterization, and consistency for which Bio-Rad is known. Our growing portfolio includes innovation in blood screening, syndromic panels and other molecular applications. Our key diagnostic areas include:

**Transplantation**

**Virology**

**Sexually Transmitted Infections**

**Microbiology**

**Hospital Associated Infections**

**Respiratory**

**Tick-borne Diseases**

## Exact Diagnostics Quality Controls and Standards for Infectious Diseases



Traceable to international standards where applicable



Commutability with high-quality matrix



Lot-to-lot reproducibility and consistency with standards manufactured under ISO 17511



Absolute quantification with digital droplet PCR



Monitor and compare results with peer groups using integrated Unity data management software

**Ensuring Reliable Patient Results**

## Transplantation

### Exact Diagnostics Adenovirus



- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

**Dynamic Range**  
ADVP100 . . . 200 cp/mL-2,000,000 cp/mL

#### Ordering Information

Catalog #	Description	
<b>IVD, CE-IVD</b>		
ADVP100	Verification Panel . . . . .	5 x 1.0 mL
ADVL101	Low Run Control . . . . .	5 x 1.0 mL
ADVH102	High Run Control . . . . .	5 x 1.0 mL

#### Analyte

Inactivated Adenovirus

#### Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

### Exact Diagnostics BKV



- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- Calibrated against the 1st WHO International Standard for BK Virus
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

**Dynamic Range**  
BKVP100 . . . 200 IU/mL-2,000,000 IU/mL

#### Ordering Information

Catalog #	Description	
<b>IVD, CE-IVD</b>		
BKVP100	Verification Panel . . . . .	6 x 1.0 mL
BKVL101	Low Run Control . . . . .	5 x 1.0 mL
BKVB102	High Run Control . . . . .	5 x 1.0 mL
<b>IVD</b>		
BKVP200	Verification Panel . . . . .	6 x 1.4 mL
BKVB201	Verification Bundle	
	BKVP200 Verification Panel . . . . .	4 Kits
	1E3IU/mL Precision . . . . .	2 Kits (18 vials)
	5E5IU/mL Precision . . . . .	2 Kits (18 vials)
	BKV LOD . . . . .	2 Kits (20 vials)
	BKV Urine LOD . . . . .	2 Kits (20 vials)

#### Analyte

Inactivated BKV

#### Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

### Exact Diagnostics Parvovirus B19



- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- Calibrated against the 3rd WHO International Standard for Parvovirus B19 (12/208)
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 2 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

**Dynamic Range**  
B19P100 . . . 500 IU/mL-5,000,000 IU/mL

#### Ordering Information

Catalog #	Description	
<b>IVD, CE-IVD</b>		
B19P100	Verification Panel . . . . .	5 x 1.0 mL
B19L101	Low Run Control . . . . .	5 x 1.0 mL
B19H102	High Run Control . . . . .	5 x 1.0 mL

#### Analyte

Inactivated Parvovirus B19

Refer to myelnserts.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Transplantation

### Exact Diagnostics CMV



- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- Calibrated against the 1st WHO International Standard for Cytomegalovirus (09/162)
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

**Dynamic Ranges**

CMVP100 . . . 400 IU/mL-4,000,000 IU/mL  
 CMVP200 . . . 200 IU/mL-4,000,000 IU/mL

**Complementary product:**  
 See page 21 for Negative Run Control  
 (Cat # NEG000/NEG050)

**Ordering Information**

Catalog # Description

**IVD, CE-IVD**

CMVL101 Low Run Control . . . . . 5 x 1.0 mL  
 CMVH102 High Run Control . . . . . 5 x 1.0 mL

**IVD**

CMVP100 Verification Panel . . . . . 5 x 1.0 mL  
 CMVP200 Verification Panel . . . . . 6 x 1.4 mL  
 CMVB200 Verification Bundle  
 CMVP200 Verification Panel . . . . . 4 Kits  
 1E3 IU/mL Precision . . . . . 2 Kits (18 Vials)  
 5E5 IU/mL Precision . . . . . 2 Kits (18 Vials)  
 CMV LOD . . . . . 2 Kits (20 Vials)

**Analyte**

Inactivated CMV

### Exact Diagnostics EBV



- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- Calibrated against the 1st WHO International Standard for Epstein-Barr virus (09/260)
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

**Dynamic Range**

EBVP100 . . . 500 IU/mL-5,000,000 IU/mL

**Complementary product:**  
 See page 21 for Negative Run Control  
 (Cat # NEG000/NEG050)

**Ordering Information**

Catalog # Description

**IVD, CE-IVD**

EBVP100 Verification Panel . . . . . 5 x 1.0 mL  
 EBVL101 Low Run Control . . . . . 5 x 1.0 mL  
 EBVH102 High Run Control . . . . . 5 x 1.0 mL

**IVD**

EBVP200 Verification Panel . . . . . 7 x 1.4 mL  
 EBVB200 Verification Bundle (4 of EBVP200)  
 1E3IU/mL Precision . . . . . 2 Kits (18 Vials)  
 5E5IU/mL Precision . . . . . 2 Kits (18 Vials)  
 EBV LOD . . . . . 2 Kits (20 Vials)

**Analyte**

Inactivated EBV

Refer to myInserTs.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Transplantation

### Exact Diagnostics HHV-6



- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- Calibrated against the 1st WHO International Standard for HHV-6B (15/266)
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 2 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

**Dynamic Ranges**

HV6AP100 . . . 500 cp/mL-5,000,000 cp/mL  
 HV6BP100 . . . 500 cp/mL-5,000,000 cp/mL

**Ordering Information**

Catalog # Description

**IVD, CE-IVD**

HV6AP100	HHV-6A Verification Panel . . . . .	5 x 1.0 mL
HV6BP100	HHV-6B Verification Panel . . . . .	5 x 1.0 mL
HV6L101	Low Run Control . . . . .	5 x 1.0 mL
HV6H102	High Run Control . . . . .	5 x 1.0 mL

**Analytes**

Inactivated HHV-6A  
 Inactivated HHV-6B

**Complementary product:**

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

### Exact Diagnostics JCV



- Calibrated against the 1st WHO International Standard for JC Virus (14/114)
- Manufacturing targets established using ddPCR
- Verification Panel offers a wide dynamic range
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 2 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

**Dynamic Range**

JCVP100 . . . . 200 IU/mL-20,000,000 IU/mL

**Ordering Information**

Catalog # Description

**IVD, CE-IVD**

JCVP100	Verification Panel . . . . .	6 x 1.0 mL
JCVL101	Low Run Control . . . . .	5 x 1.0 mL
JCVH102	High Run Control . . . . .	5 x 1.0 mL

**Analytes**

Inactivated JCV

**Complementary product:**

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

## Virology

### Exact Diagnostics HBV



- Calibrated against the 3rd WHO International Standard for Hepatitis B (10/264)
- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- Run controls stable for 5 days when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

**Dynamic Ranges**

HBVP100 . . . . 100 IU/mL-100,000,000 IU/mL  
 HBVP200 . . . 100 IU/mL-100,000,000 IU/mL

**Complementary product:**

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

**Ordering Information**

Catalog # Description

**IVD, CE-IVD**

HBVL101	Low Run Control . . . . .	5 x 1.0 mL
HBVH102	High Run Control . . . . .	5 x 1.0 mL

**IVD**

HBVP100	Verification Panel . . . . .	7 x 1.0 mL
HBVP200	Verification Panel . . . . .	7 x 1.4 mL
HBVB200	Verification Panels Bundle (4 of HBVP200)	
	1E3 IU/mL Precision . . . . .	2 Kits (18 vials)
	1E6 IU/mL Precision . . . . .	2 Kits (18 vials)
	HBV LOD . . . . .	2 Kits (20 Vials)

**Analytes**

Inactivated HBV

Refer to myelnserts.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Virology

### Exact Diagnostics HCV



- Calibrated against the 4th WHO International Standard for Hepatitis C (06/102)
- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- Run controls stable for 5 days when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

#### Dynamic Ranges

HCVP100 . . . 100 IU/mL-30,000,000 IU/mL

HCVP200 . . . 100 IU/mL-30,000,000 IU/mL

#### Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

#### Ordering Information

Catalog # Description

##### IVD, CE-IVD

HCVL101 Low Run Control . . . . . 5 x 1.0 mL

HCVH102 High Run Control . . . . . 5 x 1.0 mL

##### IVD

HCVP100 Verification Panel . . . . . 7 x 1.0 mL

HCVP200 Verification Panel . . . . . 7 x 1.4 mL

HCVB200 Verification Panels Bundle (4 of HCVP200)

1E3IU/mL Precision . . . . . 2 Kits (18 Vials)

1E6IU/mL Precision . . . . . 2 Kits (18 Vials)

HCV LOD . . . . . 2 Kits (20 Vials)

#### FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

HCVGTP Genotype Panel . . . . . 6 x 1.0 mL

(HCVGT 1a, HCVGT 1b, HCVGT 2, HCVGT 3, HCVGT 4, HCVGT 5)

#### Analytes

Recombinant HCV

### Exact Diagnostics HIV



- A family of unassayed external controls, verification panels and verification panel bundles used in the determination of values in the measurement of HIV-1 and HIV-2 RNA
- Verification Panel offers a wide dynamic range
- Calibrated against the 3rd WHO International Standard for HIV-1 (10/152)
- Calibrated against the 2nd WHO International Standard for HIV-2 (16/296)
- Calibrated with digital droplet PCR
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA Plasma
- 3 year shelf life from date of manufacture
- Run controls stable for 5 days when stored at 2-8°C
- Controls can be frozen and reused a maximum of two (2) times

#### Dynamic Ranges

HIVP100 . . . . 100 cp/mL-6,000,000 cp/mL

HIVP200 . . . . 100 cp/mL-6,000,000 cp/mL

#### Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

#### Ordering Information

Catalog # Description

##### IVD, CE-IVD

HIVL101 HIV-1 Low Run Control . . . . . 5 x 1.0 mL

HIVH102 HIV-1 High Run Control . . . . . 5 x 1.0 mL

##### IVD

HIVP100 Verification Panel . . . . . 7 x 1.0 mL

HIVP200 HIV-1 Verification Panel . . . . . 7 x 1.4 mL

HIVB200 HIV-1 Verification Bundle (4 of HIVP200)

1E3 cp/mL Precision . . . . . 2 Kits (18 Vials)

1E5 cp/mL Precision . . . . . 2 Kits (18 Vials)

HIV-1 LOD . . . . . 2 Kits (20 Vials)

#### FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

HIVQP200 HIV-1/HIV-2 Verification Panel . . . . . 12 x 1.4 mL

HIVQB200 HIV-1/HIV-2 Verification Bundle . . . . . 12 x 1.4 mL

#### Analyte

Inactivated HIV-1

Inactivated HIV-2

## Virology

### Exact Diagnostics Analytical Measurement Range Bundle



- HBV: Calibrated against the 3rd WHO International Standard for Hepatitis B (10/264)
- HCV: Calibrated against the 4th WHO International Standard for Hepatitis C (06/102)
- HIV: Calibrated against the 3rd WHO International Standard for HIV-1 (10/152)
- Manufacturing targets established using ddPCR
- True EDTA plasma matrix

#### Ordering Information

Catalog # Description

#### IVD

AMRP100 HBVAMR, HCVAMR, HIVAMR panels . . . . . 1 each

#### Analytes

Inactivated HBV  
Recombinant HCV  
Inactivated HIV-1

#### Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

### Exact Diagnostics HBV Analytical Measurement Range Panel



- Calibrated against the 3rd WHO International Standard for Hepatitis B (10/264)
- Manufacturing targets established using ddPCR
- AMR Panel offers a wide dynamic range
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C

#### Ordering Information

Catalog # Description

#### IVD

HBVAMR Panels . . . . . 3 x 1.0 mL

#### Analytes

Inactivated HBV

#### Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

### Exact Diagnostics HCV Analytical Measurement Range Panel



- Calibrated against the 4th WHO International Standard for Hepatitis C (06/102)
- Manufacturing targets established using ddPCR
- AMR Panel offers a wide dynamic range
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C

#### Ordering Information

Catalog # Description

#### IVD

HCVAMR Panels . . . . . 3 x 1.0 mL

#### Analytes

Recombinant HCV

#### Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

### Exact Diagnostics HIV-1 Analytical Measurement Range Panel



- Calibrated against the 3rd WHO International Standard for HIV-1 (10/152)
- Manufacturing targets established using ddPCR
- AMR Panel offers a wide dynamic range
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C

#### Ordering Information

Catalog # Description

#### IVD

HIVAMR Panels . . . . . 3 x 1.0 mL

#### Analytes

Inactivated HIV-1

#### Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

Refer to myelnserts.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Sexually Transmitted Infections

### NEW | Exact Diagnostics CT/NG



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- Run Control has 30 day open vial stability when stored at 2-8°C
- Barcoded vials compatible with automated platforms

**Complementary product:**  
See page 21 for STI Negative Run Control (Cat # NEGSTI)

#### Ordering Information

Catalog # Description

##### IVD

CTNGPOS	CT/NG Positive Run Control . . . . .	6 x 1.1 mL
CTNGP200	CT/NG Verification Panel . . . . .	1 Kit
	CT LOD . . . . .	3X, 5X, 10X LOD
	NG LOD . . . . .	3X, 5X, 10X LOD
	CT/NG LOD . . . . .	3X, 5X, 10X LOD
CTNGB200	CT/NG Verification Bundle . . . . .	5 Kits of CTNGP200

#### Analytes

*Chlamydia trachomatis* (CT)  
*Neisseria gonorrhoeae* (NG)

### Exact Diagnostics HPV



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Formulated in PreservCyt
- 3 year shelf life from date of manufacture
- Controls stable for 10 days when stored at room temperature

#### Ordering Information

Catalog # Description

##### IVD, CE-IVD

HPV16C	HPV Genotype 16 Control . . . . .	10 x 5.0 mL
HPV18C	HPV Genotype 18 Control . . . . .	10 x 5.0 mL
HPV68C	HPV Genotype 68 Control . . . . .	10 x 5.0 mL
HPVNEG	HPV Negative Control . . . . .	10 x 5.0 mL
HPVP100	HPV Control Set . . . . .	40 x 5.0 mL
	1 kit each of HPV16C, HPV18C, HPV68C & HPVNEG	

##### IVD

HPVP200	HPV Verification Panel . . . . .	1 Kit
	– HPV 16 LOD . . . . .	3X, 5X, 10X LOD
	– HPV 18 LOD . . . . .	3X, 5X, 10X LOD
	– HPV 16/18/68 LOD . . . . .	3X, 5X, 10X LOD
	– HPV Negative Control . . . . .	.5 Kits (16 x 1.4 mL)
HPVB200	HPV Verification Bundle . . . . .	5 Kits of HPVP200

#### Analytes

Human Papillomavirus (HPV) Genotype 16  
Human Papillomavirus (HPV) Genotype 18

Human Papillomavirus (HPV) Genotype 68  
Human Cell Line

Refer to myInserTs.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Sexually Transmitted Infections

### Exact Diagnostics HSV-1



- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic CSF matrix
- 2 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

**Dynamic Range**  
 HSV1P100 . . . 200 cp/mL-2,000,000 cp/mL

#### Ordering Information

Catalog #	Description
<b>IVD, CE-IVD</b>	
HSV1P100	Verification Panel . . . . . 5 x 1.0 mL
HSV1L101	Low Run Control . . . . . 5 x 1.0 mL
HSV1H102	High Run Control . . . . . 5 x 1.0 mL
HSV2B200	Verification Bundle . . . . . 5 kits
	– HSV-1 LOD . . . . . 3x, 5x, 10x LOD
	– HSV-2 LOD . . . . . 3x, 5x, 10x LOD
	– HSV-1/HSV-2 LOD. . . . . 3x, 5x, 10x LOD

#### Analyte

Inactivated HSV-1

#### Complementary product:

See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

### Exact Diagnostics HSV-2



- Manufacturing targets established using ddPCR
- Verification Panel offers a wide dynamic range
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic CSF matrix
- 2 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

**Dynamic Range**  
 HSV2P100 . . . 200 cp/mL -2,000,000 cp/mL

#### Ordering Information

Catalog #	Description
<b>IVD, CE-IVD</b>	
HSV2P100	Verification Panel . . . . . 5 x 1.0 mL
HSV2L101	Low Run Control . . . . . 5 x 1.0 mL
HSV2H102	High Run Control . . . . . 5 x 1.0 mL
HSV2B200	Verification Bundle . . . . . .5 kits
	HSV-1 LOD. . . . . 3x, 5x, 10x LOD
	HSV-2 LOD. . . . . 3x, 5x, 10x LOD
	HSV-1/HSV-2 LOD . . . . . 3x, 5x, 10x LOD

#### Analyte

Inactivated HSV-2

#### Complementary product:

See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

### Exact Diagnostics TV/MG



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C

#### Ordering Information

Catalog #	Description
<b>IVD, CE-IVD</b>	
TVMGP200	TV/MG Verification Panel . . . . . 1 Kit
	TV LOD . . . . . 3X, 5X, 10X, LOD
	MG LOD. . . . . 3X, 5X, 10X, LOD
TVMGB200	TV/MG Verification Bundle . . . . . 5 Kits of TVMGP200

#### Analytes

*Trichomonas vaginalis*  
*Mycoplasma genitalium*

Refer to myelnserts.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



## Negative Controls

### NEW | Exact Diagnostics STI Negative Run Control



- Screened negative for 2 molecular targets
- High quality synthetic matrix to ensure lot-to-lot reproducibility
- 18 month shelf life from date of manufacture when stored at 2-8°C
- 30 day open vial stability when stored at 2-8°C
- Barcoded vials compatible with automated platforms

#### Ordering Information

Catalog # Description

#### IVD

NEGSTI STI Negative Run Control . . . . . 6 x 1.1 mL

#### Analytes

#### Non-reactive for:

*Chlamydia trachomatis* (CT)  
*Neisseria gonorrhoeae* (NG)

### NEW | Exact Diagnostics Synthetic Negative Run Control



- Screened negative for 9 molecular targets
- High quality synthetic matrix to ensure lot-to-lot reproducibility
- 2 year shelf life from date of manufacture when stored at -20°C or below
- 5 day stability when stored at 2-8°C
- Control can be frozen and reused a maximum of four (4) times

#### Ordering Information

Catalog # Description

#### IVD, CE-IVD

NEGSYN Synthetic Negative Run Control . . . . . 5 x 1.0 mL

#### Analytes

#### Non-reactive for:

<i>Anaplasma phagocytophilum</i>	Enterovirus (EV) Coxsackievirus A9
<i>Babesia microti</i>	Herpes Simplex Virus-1 (HSV-1)
<i>Bartonella quintana</i>	Herpes Simplex Virus-2 (HSV-2)
<i>Borrelia burgdorferi</i>	Varicella Zoster Virus (VZV)
<i>Ehrlichia chaffeensis</i>	

### NEW | Exact Diagnostics HAI Negative Run Control



- Screened negative for 3 molecular targets
- High quality synthetic matrix to ensure lot-to-lot reproducibility
- 2 year shelf life from date of manufacture when stored at -20°C or below
- 5 day stability when stored at 2-8°C
- Control can be frozen and reused a maximum of four (4) times

#### Ordering Information

Catalog # Description

#### IVD, CE-IVD

NEGHA1 HAI Negative Run Control . . . . . 5 x 1.0 mL

#### Analytes

#### Non-reactive for:

*Clostridium difficile* (*C. difficile*)  
Methicillin-resistant *Staphylococcus aureus* (MRSA)  
Methicillin-susceptible *Staphylococcus aureus* (MSSA)

### Exact Diagnostics Negative Control



- Screened negative for 16 molecular targets
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 5 day stability when stored at 2-8°C
- Control can be frozen and reused a maximum of four (4) times

#### Ordering Information

Catalog # Description

#### IVD, CE-IVD

NEG000 Negative Control . . . . . 5 x 1.0 mL

NEG050 Bulk Negative Control . . . . . 1 x 50.0 mL

#### Analytes

#### Non-reactive for:

Adenovirus DNA	HIV-1/2 Antibodies
BKV DNA	HIV-1 RNA
CMV DNA	HSV-1 DNA
EBV DNA	HSV-2 DNA
HBsAg	JC Virus DNA
HBV DNA	VZV DNA
HCV Antibodies	Zika Virus RNA
HCV RNA	
HHV-6 DNA	

Refer to myInserTs.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Blood Screening

### Exact Diagnostics HBV, HCV and HIV-1 Screen Controls



- Calibrated against the 3rd WHO International Standard for HBV (10/264)
- Calibrated against the 4th WHO International Standard for HCV (06/102)
- Calibrated against the 3rd WHO International Standard for HIV-1 (10/152)
- Citrate plasma matrix
- 18 month shelf life when stored at -20°C
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

#### Ordering Information

Catalog # Description

#### CE-IVD (AVAILABLE OUTSIDE THE UNITED STATES ONLY)

HBVSCREEN HBV DNA Screen Control . . . . .	10 x 1.4 mL
HCVSCREEN HCV RNA Screen Control . . . . .	10 x 1.4 mL
HIVSCREEN HIV-1 RNA Screen Control. . . . .	10 x 1.4 mL
VIRSCREEN HIV-1, HCV, HBV Screen Control . . . . .	10 x 1.4 mL

#### Analytes

Inactivated HBV  
 Inactivated HCV  
 Inactivated HIV-1

## Meningitis and Encephalitis

### Exact Diagnostics VZV



- Manufacturing targets established using ddPCR
- Verification Panel offers a wide dynamic range
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic CSF matrix
- 2 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Dynamic Range  
 VZVP100 . . . . 500cp/mL-2,000,000cp/mL

#### Ordering Information

Catalog # Description

#### IVD, CE-IVD

VZVP100 Verification Panel . . . . .	5 x 1.0 mL
VZVL101 Low Run Control . . . . .	5 x 1.0 mL
VZVH102 High Run Control . . . . .	5 x 1.0 mL

#### Analyte

Inactivated Varicella Zoster Virus (VZV)

#### Complementary product:

See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

### Exact Diagnostics Enterovirus Control



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 2 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

#### Ordering Information

Catalog # Description

#### IVD, CE-IVD

EVRC Control. . . . .	5 x 1.0 mL
-----------------------	------------

#### Analyte

Inactivated Coxsackievirus A9

#### Complementary product:

See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

Refer to myelnserts.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Hospital Associated Infections

### Exact Diagnostics *C. difficile* Verification Bundle



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C

**Complementary product:**  
See page 21 for HAI Negative Run Control (Cat # NEGHAI)

#### Ordering Information

Catalog #	Description	
<b>IVD, CE-IVD</b>		
CDFP200	Verification Panel	1 Kit
	<i>C. difficile</i> LOD	.3X, 5X, 10X LOD
CDFB200	Verification Bundle	5 Kits of CDFP200

#### Analytes

Inactivated *C. difficile*

### Exact Diagnostics MRSA Verification Bundle



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C

**Complementary product:**  
See page 21 for HAI Negative Run Control (Cat # NEGHAI)

#### Ordering Information

Catalog #	Description	
<b>IVD, CE-IVD</b>		
MRSAP200	Verification Panel	1 Kit
	MRSA LOD	.3X, 5X, 10X LOD
	MSSA LOD	.3X, 5X, 10X LOD
MRSAB200	Verification Bundle	5 Kits of MRSAP200

#### Analytes

Inactivated Methicillin-resistant *Staphylococcus aureus* (MRSA)  
Inactivated Methicillin-susceptible *Staphylococcus aureus* (MSSA)

### Amplichek II



- Liquid, multi-analyte quality control designed to monitor the performance of *in vitro* nucleic acid test systems for Healthcare Associated Infections (HAI)
- Use with multiple specimen types and sampling tools including swabs and transfer pipets
- Convenient single use configuration to minimize contamination
- Contains intact, inactivated bacteria to monitor the full NAT process from extraction to amplification and detection
- Negative, Levels 1 and 2 are suitable for Cepheid Xpert assays
- 2 year shelf life at 2-8°C

Contact your local Bio-Rad office for additional assay compatibility and Level selection information.

#### Ordering Information

Catalog #	Description	
<b>IVD, CE-IVD</b>		
12000201	Negative	10 x 0.2 mL
12000202	Level 1	10 x 0.2 mL
12000203	Level 2	10 x 0.2 mL
12000204	Level 3	10 x 0.2 mL
12000575	Negative MiniPak	1 x 0.2 mL
12000576	Level 1 MiniPak	1 x 0.2 mL
12000577	Level 2 MiniPak	1 x 0.2 mL
12000578	Level 3 MiniPak	1 x 0.2 mL

#### Analytes

*Clostridium difficile* (*C. diff.*)  
Methicillin-resistant *Staphylococcus aureus* (MRSA)  
Methicillin-sensitive *Staphylococcus aureus* (MSSA)  
Vancomycin-resistant *enterococci* (VRE or vanR)

### Product Level Selection by Analyte

- Reactive
- Non-reactive

#### Analytes

Analyte	Level	Negative* (Non-reactive)	Level 1 (MSSA)	Level 2 (Low Positive)	Level 3 (High Positive)
<i>Clostridium difficile</i> ( <i>C. diff.</i> ) genes: Toxin B, Binary Toxin, TcdC		●	●	●	●
Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) genes: SPA, SCCmec, mecA		●	●	●	●
Methicillin-Sensitive <i>Staphylococcus aureus</i> (MSSA) gene: SPA		●	●		
Vancomycin-Resistant <i>enterococci</i> (VRE or vanR) genes: vanA, vanB**		●	●	●	●

\*Contains Methicillin Sensitive *Staphylococcus epidermidis* (MSSE).  
\*\*Not available in the USA.

Refer to myInserTs.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Respiratory

### Exact Diagnostics RP Positive & Negative Run Controls



- 23 Analyte respiratory control
- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture

#### Ordering Information

Catalog #	Description	
<b>IVD, CE-IVD</b>		
RPPOS	Positive	6 x 0.3 mL
RPNEG	Negative	6 x 0.3 mL

#### Analytes

Adenovirus	Coronavirus OC43	<i>Mycoplasma pneumoniae</i>	Rhinovirus
<i>Bordetella parapertussis</i>	Human metapneumovirus (RNA IVT)	Middle Eastern Respiratory Syndrome (RNA IVT)	Respiratory Syncytial Virus (A)
<i>Bordetella pertussis</i>	Influenza A H1N1	Parainfluenza 1	Respiratory Syncytial Virus (B)
<i>Chlamydomphila pneumoniae</i>	Influenza A H1N1-09 (RNA IVT)	Parainfluenza 2	Severe Acute Respiratory Syndrome
Coronavirus 229E	Influenza A H3N2 (RNA IVT)	Parainfluenza 3	Coronavirus 2
Coronavirus HKU1 (RNA IVT)	Influenza B	Parainfluenza 4	
Coronavirus NL63 (RNA IVT)			

### Exact Diagnostics SARS-CoV-2, Flu, RSV Run Controls



- Whole organism SARS-CoV-2, Influenza A, Influenza B, Respiratory Syncytial Virus (A)
- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic matrix, including human genomic DNA (gDNA)
- 24 month shelf life from date of manufacture
- Controls can be frozen and reused a maximum of five (5) times

#### Ordering Information

Catalog #	Description	
<b>IVD, CE-IVD</b>		
COVFLU	Positive	5 x 1.0 mL
COVFLUNEG	Negative	5 x 1.0 mL

#### Targets

##### Whole Organism

SARS-CoV-2  
Influenza A-H1N1  
Influenza B  
Respiratory Syncytial Virus (A)

### Exact Diagnostics SARS-CoV-2 Standard and Run Controls



- Contains E, N, ORF1ab, RdRP and S genes
- Quantitation with ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic matrix, including human genomic DNA (gDNA)
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C

#### Quantitation

COV019	200,000 cp/mL
COV000	75,000 cp/mL

#### Ordering Information

Catalog #	Description	
<b>FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.</b>		
COV019	Standard	5 x 0.3 mL
COV000	Negative	5 x 0.3 mL
<b>CE-IVD. AVAILABLE OUTSIDE THE US ONLY.</b>		
COV019CE	Positive Run Control	5 x 0.3 mL
COV000CE	Negative Run Control	5 x 0.3 mL

#### Targets

##### SARS-CoV-2 Genes

Envelope (E) Gene	RdRP (RNA-dependent RNA polymerase) Gene
Nucleocapsid (N) Gene	Spike Protein (S) Gene
ORF1ab Gene	

Refer to myelnserts.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Respiratory

### Exact Diagnostics SARS-CoV-2 S Gene Variant Controls



- Quantitation with ddPCR
- Human genomic DNA (gDNA) background
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic matrix, including human genomic DNA (gDNA)
- 18 month shelf life from date of manufacture when stored at -20°C
- 12 month shelf life when stored at 2-8°C
- 7 day open-vial stability when stored at 2-8°C

#### Ordering Information

Catalog #	Description
-----------	-------------

#### FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

COVA	Alpha Variant Control . . . . .	1 x 0.25 mL
COVB	Beta Variant Control . . . . .	1 x 0.25 mL
COVDK	Delta-Kappa Variant Control . . . . .	1 x 0.25 mL
COVE	Epsilon Variant Control . . . . .	1 x 0.25 mL
COVG	Gamma Variant Control . . . . .	1 x 0.25 mL

#### Targets

##### Synthetic RNA Transcripts

Alpha Variant (B.1.1.7)	Delta-Kappa Variants
Beta Variant (B.1.351)	(B.1.617.1, B.1.617.2 and
Epsilon Variant (B.1.427, B.1.429)	AY sublineages, B.1.617.3)
Gamma Variant (P.1)	

#### Complementary product:

See page 24 for SARS-CoV-2, Negative (Cat # COV000)

## Vector Borne

### Exact Diagnostics Anaplasma Run Control



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

#### Ordering Information

Catalog #	Description
-----------	-------------

#### IVD, CE-IVD

ANARC	Anaplasma Control . . . . .	5 x 1.0 mL
-------	-----------------------------	------------

#### Analytes

*Anaplasma phagocytophilum*

#### Complementary product:

See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

### Exact Diagnostics Babesia Run Control



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

#### Ordering Information

Catalog #	Description
-----------	-------------

#### IVD, CE-IVD

BABRC	Babesia Control . . . . .	5 x 1.0 mL
-------	---------------------------	------------

#### Analytes

*Babesia microti*

#### Complementary product:

See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

## Vector Borne

### Exact Diagnostics Bartonella Run Control



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

#### Ordering Information

Catalog #	Description
<b>IVD, CE-IVD</b>	
BRTRC	Bartonella Control . . . . . 5 x 1.0 mL

#### Analytes

*Bartonella quintana*

**Complementary product:**  
See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

### Exact Diagnostics Borrelia Run Control



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

#### Ordering Information

Catalog #	Description
<b>IVD, CE-IVD</b>	
BORRC	Borrelia Control . . . . . 5 x 1.0 mL

#### Analytes

*Borrelia burgdorferi*

**Complementary product:**  
See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

### Exact Diagnostics Ehrlichia Run Control



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

#### Ordering Information

Catalog #	Description
<b>IVD, CE-IVD</b>	
ERLRC	Ehrlichia Control . . . . . 5 x 1.0 mL

#### Analytes

*Ehrlichia chaffeensis*

**Complementary product:**  
See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

### Exact Diagnostics ZKV



- Manufacturing targets established using ddPCR
- Verification Panel offers a wide dynamic range
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 36 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

**Dynamic Range**  
ZKVP100. . . . . 100 cp/mL-1,000,000 cp/mL

#### Ordering Information

Catalog #	Description
<b>IVD, CE-IVD</b>	
ZKVP100	Verification Panel . . . . . 5 x 1.0 mL
ZKVL101	Low Run Control . . . . . 5 x 1.0 mL
ZKVH102	High Run Control . . . . . 5 x 1.0 mL

#### Analytes

Inactivated Zika Virus

**Complementary product:**  
See page 21 for Negative Run Control (Cat # NEG000/NEG050)

Refer to myelnserts.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

**Liquicheck™ Blood Gas Control**



- Available in three distinct levels with values targeted at varying points within the clinical range
- Color coded matrix for easy identification
- Aqueous based matrix
- 4 year shelf life at 18-25°C

POCT methods listed

**Ordering Information**

Cat #	Description
571	Level 1 . . . . . 30 x 1.7 mL
572	Level 2 . . . . . 30 x 1.7 mL
573	Level 3 . . . . . 30 x 1.7 mL
570X	Trilevel MiniPak (3 of each level) . . . . . 9 x 1.7 mL

**Analytes**

pCO<sub>2</sub>  
pH  
pO<sub>2</sub>

**Liquicheck™ Blood Gas Plus E Control**



- Designed to monitor precision of laboratory measurements on Blood Gas and Ion Selective Electrode (ISE) instrumentation
- Clear aqueous matrix
- 4 year shelf life at 2-25°C

POCT methods listed

**Ordering Information**

Cat #	Description
576	Level 1 . . . . . 30 x 1.7 mL
577	Level 2 . . . . . 30 x 1.7 mL
578	Level 3 . . . . . 30 x 1.7 mL
575X	Trilevel MiniPak (3 of each level) . . . . . 9 x 1.7 mL

**Analytes**

Calcium (Ionized) pO<sub>2</sub>  
Chloride Potassium  
pCO<sub>2</sub> Sodium  
pH

**Liquicheck™ Blood Gas Plus EGL Control**



- Expanded test menu including pH, Blood Gas, Electrolytes and Metabolites
- Aqueous, clear matrix
- 3 year shelf life at 2-8°C
- Can be stored for up to 12 months at 20-25°C

POCT methods listed

**Ordering Information**

Cat #	Description
511	Level 1 . . . . . 30 x 1.7 mL
512	Level 2 . . . . . 30 x 1.7 mL
513	Level 3 . . . . . 30 x 1.7 mL
510X	Trilevel MiniPak (3 of each level) . . . . . 9 x 1.7 mL

**Analytes**

Calcium (Ionized) pCO<sub>2</sub>  
Chloride pH  
Glucose pO<sub>2</sub>  
Lactate (Lactic Acid) Potassium  
Lithium Sodium  
Magnesium

Refer to myInsersts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## NEW Cardiac Advance

### Liquichek™ Cardiac Advance Control

#### Available in Multiple Configurations

- A comprehensive, multi-analyte cardiac control optimized for high sensitivity Troponin
- Liquid, human serum based

#### Standard Vials

- Level 1 Troponin values near limit of detection for most instruments. Choice of 4 levels
- 28 month shelf life at -20°C to -70°C
- 20 day open-vial stability at 2-8°C, with exceptions

#### Compact Vials

- Level 1 Troponin values near limit of detection for most instruments. Choice of 4 levels
- Barcoded vials for workflow optimization
- 28 month shelf life at -20°C to -70°C
- 5 day open-vial stability for all analytes when stored at 2-8°C



Compatible with Siemens and Roche platforms. Abbott users should use Liquichek Cardiac Markers Plus Control LT.

Homocysteine not compatible with Siemens platforms. Siemens users should use Liquichek Homocysteine Control.

#### Ordering Information

Cat #	Description	Volume
<b>Standard Vials</b>		
12016447	Level 1	.6 x 3 mL
12016448	Level 2	.6 x 3 mL
12016449	Level 3	.6 x 3 mL
12016450	Level 4	.6 x 3 mL
<b>Compact Vials</b>		
12016472	Level 1	6 x 2.5 mL
12016473	Level 2	6 x 2.5 mL
12016474	Level 3	6 x 2.5 mL
12016475	Level 4	6 x 2.5 mL

For InteliQ Cardiac Advance Control, see page 9

#### Analyte

BNP	Myoglobin
CK-MB Isoenzyme	NT-proBNP
C-Reactive protein (CRP)	Troponin I
Digitoxin	Troponin T**
Galectin-3	
Homocysteine	**Not available in compact vial

### Liquichek™ Cardiac Markers Plus Control LT

#### Available in Multiple Configurations

- A comprehensive cardiac control with compatibility for high-sensitivity Troponin testing
- Liquid, human serum based

#### Standard Vials

- Choice of four Troponin levels (1, 1A, 1B, or 1C) for high-sensitivity Troponin methods
- 3 year shelf life at -20°C to -70°C
- 20 day open-vial stability at 2-8°C, with exceptions

#### Compact Vials

- Level 1C Troponin I values at or near the 99th percentile upper reference limit (URL) of Troponin I for TNIH method
- Barcoded vials for workflow optimization
- 5 day open-vial stability for all analytes when stored at 2-8°C
- 3 year shelf life when stored at -20°C to -50°C



POCT methods listed for standard vials

#### Ordering Information

Cat #	Description	Volume
<b>Standard Vials</b>		
146	Level 1	.6 x 3 mL
27104	Level 1A	.6 x 3 mL
27105	Level 1B	.6 x 3 mL
27106	Level 1C	.6 x 3 mL
147	Level 2	.6 x 3 mL
148	Level 3	.6 x 3 mL
149	Level Low	.6 x 3 mL
146X	Level 1 MiniPak	.1 x 3 mL
27104X	Level 1A MiniPak	.1 x 3 mL
27105X	Level 1B MiniPak	.1 x 3 mL
27106X	Level 1C MiniPak	.1 x 3 mL
147X	Level 2 MiniPak	.1 x 3 mL
148X	Level 3 MiniPak	.1 x 3 mL
149X	Level Low MiniPak	.1 x 3 mL
<b>Compact Vials</b>		
297	Level 1C	6 x 2.5 mL
298	Level 2	6 x 2.5 mL
299	Level 3	6 x 2.5 mL
298X	Trilevel MiniPak (1 of each level)	3 x 2.5 mL

For InteliQ Cardiac Markers Plus Control LT, see page 10

#### Analytes

BNP*	CRP	Myoglobin	Troponin I
CK (Total)	Digitoxin	NT-proBNP	Troponin T*
CK-MB Isoenzyme	Homocysteine*1		

\*Available in standard vial configuration only.

1No claim is made for expected value or stability.

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



## Liquichek™ Cardiac Troponins Control



- Dedicated Troponins control
- Monitors the precision of high-sensitivity Troponin I and T assays near the 99th percentile upper reference limit and across the assay range
- Convenience of a liquid control
- 18 month shelf life at -20°C to -70°C
- Open-vial stability at 2-8°C
  - Troponin I: 14 days
  - Troponin T: 25 days

### Ordering Information

Cat #	Description	
12001084	Level 1	.6 x 3 mL
12006239	Level 2	.6 x 3 mL
12006369	Level 3	.6 x 3 mL
12001085	Level 1 MiniPak	.1 x 3 mL
12006370	Level 2 MiniPak	.1 x 3 mL
12006371	Level 3 MiniPak	.1 x 3 mL

### Analytes

Troponin I                      Troponin T

## Liquichek™ Cardiac Markers Plus Control



- Comprehensive cardiac control monitoring the precision of non high-sensitivity Troponin assays
- Values provided for hs-CRP
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 20 day open-vial stability at 2-8°C with exceptions

POCT methods listed

### Ordering Information

Cat #	Description	
180	Trilevel (2 of each level)	.6 x 3 mL
181	Level 1	.6 x 3 mL
182	Level 2	.6 x 3 mL
183	Level 3	.6 x 3 mL
180X	Trilevel MiniPak (1 of each level)	.3 x 3 mL

### Analytes

BNP  
CK (Total)  
CK-MB Isoenzyme

CRP  
Digitoxin  
Homocysteine\*

Myoglobin  
NT-proBNP

Troponin I  
Troponin T

\*No claim is made for expected values or stability.

## Liquichek™ CK/LD Isoenzyme Control



- Monitors the precision of traditional and electrophoretic methods
- Liquid, human serum based
- 2 year shelf life at -20°C to -70°C
- 10 day open-vial stability at 2-8°C

### Ordering Information

Cat #	Description	
671	Level 1	.6 x 1 mL
672	Level 2	.6 x 1 mL
670X	Bilevel MiniPak (1 of each level)	.2 x 1 mL

### Analytes

Albumin  
CK (Total)  
CK Electrophoresis

CK-MB Isoenzyme  
Globulin

LD Electrophoresis  
LDH

Protein Electrophoresis  
Protein Serum (Total)

## Liquichek™ Homocysteine Control



- Designed to monitor Homocysteine precision across a wide range of target values
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 30 day open-vial stability at 2-8°C

### Ordering Information

Cat #	Description	
287	Level 1	.6 x 1 mL
288	Level 2	.6 x 1 mL
289	Level 3	.6 x 1 mL
288X	Trilevel MiniPak (1 of each level)	.3 x 1 mL

For IntelliQ Homocysteine Control, see page 11

### Analyte

Homocysteine

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Liquid Assayed and Unassayed Multiquial



### Available in Multiple Configurations

Provides a comprehensive range of chemistry analytes for monitoring the precision of general chemistry test procedures. Human serum based.

### Liquid Assayed & Unassayed, Standard Vials

- 3 year shelf life at -20°C to -70°C
- 30 day unopened stability at 2-8°C for most analytes
- 14 day open-vial stability at 2-8°C for most analytes

### Liquid Assayed, Compact Vials

- 5 day open-vial stability for all analytes when stored at 2-8°C
- 3 year shelf life when stored at -20°C to -50°C

### Ordering Information

Cat #	Description
<b>Liquid Assayed Multiquial, Standard Vials</b>	
694	Level 1 . . . . . 12 x 3 mL
695	Level 2 . . . . . 12 x 3 mL
696	Level 3 . . . . . 12 x 3 mL
695X	Trilevel MiniPak (1 of each level) . . . . . 3 x 3 mL
<b>Liquid Assayed Multiquial, Compact Vials</b>	
337	Level 1 . . . . . 12 x 2.5 mL
338	Level 2 . . . . . 12 x 2.5 mL
339	Level 3 . . . . . 12 x 2.5 mL
338X	Trilevel MiniPak (1 of each level) . . . . . 3 x 2.5 mL
<b>Liquid Unassayed Multiquial</b>	
697	Level 1 . . . . . 12 x 10 mL
698	Level 2 . . . . . 12 x 10 mL
699	Level 3 . . . . . 12 x 10 mL
698X	Trilevel MiniPak (1 of each level) . . . . . 3 x 10 mL

POCT methods listed for standard vials

For InteliQ Assayed Multiquial Control, see page 9

## Analytes

	Standard Vials	Compact Vials		Standard Vials	Compact Vials		Standard Vials	Compact Vials
Acetaminophen	●	●	CO <sub>2</sub>	●	●	Osmolality	●	
Acid Phosphatase (Total)	●		Complement C3	●	●	PAP*	●	
Albumin	●	●	Complement C4	●	●	Phenobarbital	●	●
Albumin: Globulin Ratio	●		Copper	●		Phenytoin	●	●
Alkaline Phosphatase (ALP)	●	●	Cortisol	●		Phospholipids	●	
α-1-Antitrypsin	●	●	Creatine Kinase (CK)	●	●	Phosphorus	●	●
α-Hydroxybutyrate Dehydrogenase (αHBDH)*	●		Creatinine	●	●	Potassium	●	●
ALT/SGPT	●	●	Digoxin	●	●	Prealbumin	●	●
Amikacin	●		Ethanol	●	●	Protein Serum (Total)	●	●
Amylase	●	●	Ferritin	●	●	Salicylate	●	●
Amylase (Pancreatic)	●		Gentamicin	●	●	Sodium	●	●
Apolipoprotein A-1	●	●	GGT	●	●	T3 (Total)	●	●
Apolipoprotein B	●	●	Globulin**	●		T3 Uptake/T-Uptake	●	●
AST/SGOT	●	●	Glucose	●	●	T4 (Free)	●	●
Bilirubin (Direct)	●	●	Haptoglobin	●	●	T4 (Total)	●	●
Bilirubin (Neonatal)	●		Immunoglobulin A (IgA)	●	●	Theophylline	●	●
Bilirubin (Total)	●	●	Immunoglobulin G (IgG)	●	●	Tobramycin	●	●
Calcium (Ionized)	●		Immunoglobulin M (IgM)	●	●	Transferrin	●	●
Calcium	●	●	Iron	●	●	Triglycerides	●	●
Carbamazepine	●	●	Iron (TIBC)	●	●	TSH	●	●
Ceruloplasmin	●	●	Iron (UIBC)	●		Urea	●	
Chloride	●	●	Lactate (Lactic Acid)	●	●	Urea Nitrogen (BUN)	●	●
Cholesterol (HDL)	●	●	Lactate Dehydrogenase (LDH)	●	●	Uric Acid	●	●
Cholesterol (LDL)	●	●	LAP Arylamidase	●		Valproic Acid	●	●
Cholesterol (Total)	●	●	Lipase	●	●	Vitamin B <sub>12</sub>	●	●
Cholinesterase	●	●	Lithium	●	●	Zinc	●	
CK-MB Isoenzyme*	●		Magnesium	●	●			

\*No claim is made for expected value or stability.  
 \*\*α-1-Globulin, α-2-Globulin, β-Globulin, γ-Globulin.

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

**Lyphocheck™ Assayed Chemistry Control and Lyphocheck™ Unassayed Chemistry Control (Human)**



- Includes a comprehensive list of claimed analytes for general chemistry testing
- Provides good stability for enzymes and CO<sub>2</sub>
- No special diluents are required for reconstitution
- Human serum based
- Assayed: 40 month shelf life at 2-8°C
- Unassayed: 37 month shelf life at 2-8°C
- 30 day reconstituted and frozen stability at -10°C to -20°C for most analytes
- 7 day open-vial reconstituted stability at 2-8°C for most analytes

POCT methods listed for  
Lyphocheck Assayed Chemistry Control

**Ordering Information**

Cat #	Description	
<b>Assayed Chemistry Control</b>		
C-310-5	Level 1	12 x 5 mL
C-315-5	Level 2	12 x 5 mL
313X	Bilevel MiniPak (1 of each level)	2 x 5 mL
<b>Unassayed Chemistry Control (Human)</b>		
731	Level 1	.25 x 5 mL
732	Level 2	.25 x 5 mL
730X	Bilevel MiniPak (1 of each level)	2 x 5 mL
C-320-10	Level 1	.50 x 10 mL
C-325-10	Level 2	.50 x 10 mL
323X	Bilevel MiniPak (1 of each level)	2 x 10 mL

**Analytes**

Acetaminophen	Ceruloplasmin	Immunoglobulin G (IgG)	T3 (Free)
Acid Phosphatase (Total)	Chloride	Immunoglobulin M (IgM)	T3 (Total)
Albumin	Cholesterol (HDL)	Iron	T3 Uptake/T-Uptake
Alkaline Phosphatase (ALP)	Cholesterol (LDL)	Iron (TIBC)	T4 (Free)
Alpha-1-Antitrypsin	Cholesterol (Total)	Iron (UIBC)	T4 (Total)
Alpha-Hydroxybutyrate Dehydrogenase (αHBDH)*	Cholinesterase	Lactate (Lactic Acid)	TBG
Alphafetoprotein (AFP)	CO <sub>2</sub>	Lactate Dehydrogenase (LDH)	Theophylline
ALT/SGPT	Complement C3	LAP Arylamidase	Tobramycin
Amylase	Complement C4*	Lipase	Transferrin
Amylase (Alpha)	Copper	Lithium	Triglycerides
Amylase (Pancreatic)	Cortisol	Magnesium	TSH
Apolipoprotein A-1	Creatine Kinase (CK)	Osmolality	Urea
Apolipoprotein B	Creatinine	PAP	Urea Nitrogen (BUN)
AST/SGOT	Digoxin	Phenobarbital	Uric Acid
Bilirubin (Direct)	Gentamicin	Phenytoin	Valproic Acid
Bilirubin (Indirect)	GGT	Phosphorus	Vancomycin
Bilirubin (Total)	GLDH	Potassium	Vitamin B <sub>12</sub>
Calcium	Globulin	Protein Electrophoresis	Zinc
Calcium (Ionized)	Glucose	Protein Serum (Total)	
Carbamazepine	Haptoglobin	PSA (Total) <sup>1</sup>	
CEA	hCG-β Subunit	Salicylate	
	Immunoglobulin A (IgA)	Sodium	

<sup>1</sup>Available in Lyphocheck Assayed Chemistry Control only.  
\*No claim is made for expected value or stability.

## Liquichek™ Unassayed Chemistry Control (Human)



- Unassayed control with larger 10 mL fill size for more cost effective serum chemistry testing
- Liquid, human serum based
- 2 year shelf life at -20°C to -70°C
- 15 day open-vial stability at 2-8°C for most analytes

### Ordering Information

Cat #	Description
691	Level 1 . . . . . 25 x 10 mL
692	Level 2 . . . . . 25 x 10 mL
690X	Bilevel MiniPak (1 of each level) . . . . . 2 x 10 mL

### Analytes

Acetaminophen	Cholesterol (Total)	Iron (UIBC)*	Sodium
Acid Phosphatase (Total)	CO <sub>2</sub>	Lactate (Lactic Acid)	T3 (Free)*
Albumin	Copper	Lactate Dehydrogenase (LDH)	T3 (Total)
Aldolase*	Cortisol	LAP Arylamidase*	T3 Uptake/T-Uptake
Alkaline Phosphatase (ALP)	Creatine Kinase (CK)	Lipase	T4 (Free)*
Alpha-Hydroxybutyrate	Creatinine	Lithium	T4 (Total)
Dehydrogenase (αHBDH)*	Digoxin	Magnesium	Theophylline
ALT/SGPT	Ethanol	Osmolality	Tobramycin
Amylase	Gentamicin	PAP*	Transferrin
AST/SGOT	GGT	Phenobarbital	Triglycerides
Bilirubin (Direct)*	GLDH*	Phenytoin	TSH
Bilirubin (Indirect)*	Globulin	Phospholipids	Urea Nitrogen (BUN)
Bilirubin (Total)	Glucose	Phosphorus	Uric Acid
Calcium	Immunoglobulin A (IgA)	Potassium	Valproic Acid
Calcium (Ionized)*	Immunoglobulin G (IgG)	Protein (Total)	Vancomycin
Carbamazepine	Immunoglobulin M (IgM)	Protein Electrophoresis	Vitamin B <sub>12</sub>
Chloride	Iron	Pseudocholesterase	Zinc*
Cholesterol (HDL)*	Iron (TIBC)	Salicylate	

\*No claims are made regarding performance or stability.

## Liquichek™ Ethanol/Ammonia Control



### Available in Multiple Configurations

Offers normal, elevated and toxic concentrations of Ethanol and Ammonia.

### Standard Vials

- 2 year shelf life at 2-8°C
- 20 day open-vial stability at 2-8°C

### Compact Vials

- 20 day open-vial stability for both analytes when stored at 2-8°C
- 2 year shelf life when stored at 2-8°C

### Ordering Information

Cat #	Description
<b>Standard Vials</b>	
544	Level 1 . . . . . 6 x 3 mL
545	Level 2 . . . . . 6 x 3 mL
546	Level 3 . . . . . 6 x 3 mL
545X	Trilevel MiniPak (1 of each level) . . . . . 3 x 3 mL
<b>Compact Vials</b>	
271	Level 1 . . . . . 6 x 2.5 mL
272	Level 2 . . . . . 6 x 2.5 mL
273	Level 3 . . . . . 6 x 2.5 mL
272X	Trilevel MiniPak (1 of each level) . . . . . 3 x 2.5 mL

For IntelliQ Ethanol/Ammonia Control, see page 10

### Analytes

Ammonia  
Ethanol

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

### Liquichek™ Lipids Control



- Contains C-Reactive Protein (CRP) in levels optimized for hs-CRP assays
- Higher Triglycerides and Cholesterol values to monitor precision of the full assay range
- Provides values for direct HDL
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 14 day open-vial stability at 2-8°C

#### Ordering Information

Cat #	Description
641	Level 1 . . . . .6 x 3 mL
642	Level 2 . . . . .6 x 3 mL
640X	Bilevel MiniPak (1 of each level) . . . . .2 x 3 mL

#### Analytes

Apolipoprotein A-1	C-Reactive Protein (CRP)	Cholesterol (LDL)	Lipoprotein (a)
Apolipoprotein B	Cholesterol (HDL)	Cholesterol (Total)	Triglycerides

### Liquichek™ Pediatric Control



#### Available in Multiple Configurations

- Suitable for monitoring high Bilirubin levels important for adult liver disease
- Liquid

#### Standard Vials

- Four Bilirubin parameters are available at two clinically significant levels for neonatal testing
- 3 year shelf life at -20°C to -70°C
- 3 month stability when stored unopened at 2-8°C
- 14 day open-vial stability at 2-8°C

#### Compact Vials

- Monitors precision of analyte test procedures at higher concentrations important for neonatal testing
- 14 day open-vial stability for all analytes when stored at 2-8°C
- 3 year shelf life when stored at -20°C to -50°C

#### Ordering Information

Cat #	Description
<b>Standard Vials</b>	
354	Level 1 . . . . .6 x 4 mL
355	Level 2 . . . . .6 x 4 mL
353X	Bilevel MiniPak (1 of each level) . . . . .2 x 4 mL
<b>Compact Vials</b>	
176	Level 1 . . . . .6 x 2.5 mL
177	Level 2 . . . . .6 x 2.5 mL
178X	Bilevel MiniPak (1 of each level) . . . . .2 x 2.5 mL

#### Analytes

Bilirubin (Direct)	Caffeine	Magnesium	Sodium
Bilirubin (Indirect)*	Calcium	Phenylalanine*	Theophylline
Bilirubin (Neonatal)*	Chloride	Potassium	
Bilirubin (Total)	Glucose		*Available in Standard Vials only.

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Liquid Assayed Multiquel Premium



- Combination of 95 analytes, including General Chemistry, Immunology and Therapeutic Drug Monitoring (TDM) analytes
- Introduces a new level of efficiency by offering analytes from multiple high-usage quality controls
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 14 day frozen aliquot stability at 2-8°C for most analytes
- 30 day unopened stability at 2-8°C for most analytes

### Ordering Information

Cat #	Description
284	Level 1 . . . . . 6 x 5 mL
285	Level 2 . . . . . 6 x 5 mL
286	Level 3 . . . . . 6 x 5 mL
285X	Trilevel MiniPak (1 of each level) . . . . . 3 x 5 mL

### Analytes

#### General Chemistry

Acid Phosphatase (Total)  
 Albumin  
 Alkaline Phosphatase (ALP)  
 Alpha-Hydroxybutyrate Dehydrogenase (αHBDH)\*  
 ALT/SGPT  
 Amylase  
 Amylase (Pancreatic)  
 AST/SGOT  
 Bile Acids  
 Bilirubin (Direct)  
 Bilirubin (Neonatal)  
 Bilirubin (Total)  
 Calcium  
 Calcium (Ionized)  
 Carbon Dioxide (CO<sub>2</sub>)  
 Chloride  
 Cholesterol (HDL)  
 Cholesterol (LDL)  
 Cholesterol (Total)  
 Cholinesterase  
 Copper  
 Creatine Kinase (CK)  
 Creatinine  
 Ethanol  
 GGT

Glucose  
 Glutamate Dehydrogenase (GLDH)\*\*  
 Iron  
 Iron (TIBC)  
 Iron (UIBC)  
 Lactate (Lactic Acid)  
 Lactate Dehydrogenase (LDH)  
 LAP Arylamidase  
 Lipase  
 Magnesium  
 Osmolality  
 Phosphorus  
 Phospholipids  
 Potassium  
 Protein Serum (Total)  
 Sodium  
 Triglycerides  
 Urea  
 Urea Nitrogen (BUN)  
 Uric Acid  
 Zinc  
**Immunology**  
 Alpha-1-Antitrypsin  
 Alpha-1-Acid Glycoprotein (AAG)  
 Anti-CCP

ASO  
 Apolipoprotein A-1  
 Apolipoprotein B  
 β-2-Microglobulin  
 Ceruloplasmin  
 C-Reactive Protein (CRP)  
 Complement C3  
 Complement C4  
 Cystatin C<sup>1</sup>  
 Globulin  
 Haptoglobin  
 Immunoglobulin A (IgA)  
 Immunoglobulin G (IgG)  
 Immunoglobulin M (IgM)  
 Kappa Light Chain  
 Lambda Light Chain  
 Prealbumin  
 Transferrin  
**TDM**  
 Acetaminophen  
 Amikacin  
 Caffeine  
 Carbamazepine  
 Digoxin  
 Disopyramide  
 Gentamicin  
 Lidocaine

Lithium  
 Methotrexate  
 NAPA  
 Phenobarbital  
 Phenytoin  
 Procainamide  
 Quinidine  
 Salicylate  
 Theophylline  
 Tobramycin  
 Valproic Acid  
 Vancomycin

#### Immunoassay

Cortisol  
 Ferritin  
 T3 Uptake / T Uptake  
 T3 (Total)  
 T4 (Free)  
 T4 (Total)  
 TSH  
 Vitamin B<sub>12</sub>

\*No claims are made regarding performance or stability.  
 \*\*Not available for diagnostic use in the United States.  
<sup>1</sup>Endogenous levels only.

## Liquichek™ Microalbumin Control



- Designed using human Albumin at levels found in early stage renal disease
- Values provided for a wide range of popular instrument platforms
- Liquid, human urine based
- 2 year shelf life at 2-8°C
- 90 day open-vial stability at 2-8°C

### Ordering Information

Cat #	Description
378	Level 1 . . . . . 12 x 10 mL
379	Level 2 . . . . . 12 x 10 mL
374X	Bilevel MiniPak (1 of each level) . . . . . 2 x 10 mL

### Analytes

Creatinine  
 Microalbumin

### Liquichek™ Urine Chemistry Control



**Available in Multiple Configurations**

- Monitors the precision of general urine chemistry testing procedures
- Includes Amylase and Creatinine
- Liquid, human urine based

**Standard Vials**

- 2 year shelf life at 2-8°C
- 30 day open-vial stability at 2-8°C

**Compact Vials**

- 30 day open-vial stability for all analytes when stored at 2-8°C
- 2 year shelf life when stored refrigerated at 2-8°C

POCT methods listed for standard vials

**Ordering Information**

Cat #	Description
<b>Standard Vials</b>	
397	Level 1 . . . . . 12 x 10 mL
398	Level 2 . . . . . 12 x 10 mL
395X	Bilevel MiniPak (1 of each level) . . . . . 2 x 10 mL
<b>Compact Vials</b>	
195	Level 1 . . . . . 12 x 2.5 mL
196	Level 2 . . . . . 12 x 2.5 mL
198X	Bilevel MiniPak (1 of each level) . . . . . 2 x 2.5 mL

For InteliQ Urine Chemistry Control, see page 12

**Analytes**

Amylase	Glucose	Phosphorus	Specific Gravity*
Calcium	Magnesium	Potassium	Urea*
Chloride	Microalbumin	Pregnancy/hCG (Qualitative)*	Urea Nitrogen (BUN)
Cortisol*	Osmolality*	Protein (Total)	Uric Acid
Creatinine	pH*	Sodium	

\*Available in standard vial configuration only.

### Lyphocheck™ Quantitative Urine Control



- Comprehensive analyte menu for quantitative assays that monitor the precision for general urine chemistry, hormones and esoteric testing including biogenic amines, metals and porphyrins
- Contains hCG
- Microalbumin available at levels found in early stages of proteinuria and associated nephropathy
- Value assigned for a comprehensive list of methods
- Human urine based
- 2 year shelf life at 2-8°C for most analytes
- 5 day reconstituted stability at 2-8°C for most analytes

**Ordering Information**

Cat #	Description
376	Level 1, Normal . . . . . 12 x 10 mL
377	Level 2, Abnormal . . . . . 12 x 10 mL
375X	Bilevel MiniPak (1 of each level) . . . . . 2 x 10 mL

**Analytes**

3-Methoxytyramine	Calcium	Hydroxyproline (Free)*	Potassium
5-Aminolevulinic Acid (ALA)	Chloride	Hydroxyproline (Total)	Pregnancy (Qualitative)
5-HIAA	Copper*	Iron	Pregnanetriol*
11-β-Hydroxy-Androsterone*	Coproporphyrin	Lead	Protein (Total)
11-β-Hydroxy-Etiocholanolone*	Cortisol	Magnesium	Sodium
17-Hydroxycorticosteroids	Creatine*	Mercury	Specific Gravity
11-Ketoandrosterone*	Creatinine	Metanephrine	Urea
11-Ketoetiocholanolone*	Cystine*	Metanephrine (Total)	Urea Nitrogen
17-Ketosteroids	Dehydroepiandrosterone (DHEA)*	Microalbumin	Uric Acid
17-Ketogenic Steroids	Dopamine	Norepinephrine	Uroporphyrins
Aldosterone	Epinephrine	Normetanephrine	Vanillylmandelic Acid (VMA)
AMP (Cyclic)*	Estriol (Total)*	Osmolality	Zinc*
Androsterone*	Etiocholanolone*	pH	
Arsenic	Glucose	Phosphorus	
Barbiturates*	Homovanillic Acid (HVA)	Porphyrins (Total)	

\*No claims are made regarding performance or stability.

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

**Liquichek™ Serum Indices**



- Intended for use as a pre-analytical step to determine if an instrument is detecting Hemolyzed, Icteric, or Lipemic (HIL) samples
- Prepared from human source material
- 2 year shelf life at -20°C to -70°C
- 14 day open-vial stability at 2-8°C
- 14 day closed-vial stability at 2-8°C
- 28 day frozen aliquot at -20°C to -70°C

**Ordering Information**

Cat #	Description
12012693	Hemolysis . . . . .6 x 4 mL
12012694	Icterus . . . . .6 x 4 mL
12012695	Lipemia . . . . .6 x 4 mL
12012696	Non-Interfered . . . . .6 x 4 mL
12012697	Hemolysis MiniPak . . . . .1 x 4 mL
12012698	Icterus MiniPak . . . . .1 x 4 mL
12012699	Lipemia MiniPak . . . . .1 x 4 mL
12012700	Non-Interfered MiniPak . . . . .1 x 4 mL

**Interferents**

- Hemolysis
- Icterus
- Lipemia
- Non-Interfered

Refer to myInserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



## Lyphochek™ Coagulation Control



- Extended open-vial stability reduces the cost of daily QC
- Three year shelf life allows laboratories to save money by performing fewer crossover studies
- Human based
- 3 year shelf life at 2-8°C
- 48 hour open-vial stability at 2-25°C

### Ordering Information

Cat #	Description
744	Level 1 . . . . . 12 x 1 mL
745	Level 2 . . . . . 12 x 1 mL
746	Level 3 . . . . . 12 x 1 mL
745X	Trilevel MiniPak (1 of each level) . . . . . 3 x 1 mL

### Analytes

Activated Partial Thromboplastin Time (APTT)	Fibrinogen
Antithrombin III (AT III)	Prothrombin Time (PT)
	Thrombin Time (TT)

## Lyphochek™ Hemostasis Control



- Supplements basic parameters provided by Lyphochek Coagulation Control with additional factors
- Provides QC for more specialized diagnostic testing
- Human based
- 3 year shelf life at 2-8°C
- 8 hour open-vial stability at 2-25°C, except for Protein S at 2-8°C

### Ordering Information

Cat #	Description
597	Level 1 . . . . . 12 x 1 mL
598	Level 2 . . . . . 12 x 1 mL
599	Level 3 . . . . . 12 x 1 mL
598X	Trilevel MiniPak (1 of each level) . . . . . 3 x 1 mL

### Analytes

Activated Partial Thromboplastin Time (APTT)	Protein C (Functional)
Antithrombin III (AT III)	Protein S (Functional)
Factors II, V, VII, VIII, IX, X, XI and XII	Prothrombin Time (PT)
Fibrinogen	Thrombin Time (TT)
Plasminogen	

## Liquichek™ D-dimer Control



- Four level control monitoring assay precision across the critical range used in diagnosis of thrombotic events on multiple platforms
- Liquid, human-plasma based
- 40 month shelf life at -20°C to -70°C
- 15 day open-vial stability at 2-8°C

POCT methods listed

### Ordering Information

Cat #	Description
27100	Level Low. . . . . .6 x 1 mL
27101	Level 1 . . . . . .6 x 1 mL
27102	Level 2 . . . . . .6 x 1 mL
27103	Level 3 . . . . . .6 x 1 mL
27102X	Four Level MiniPak (1 of each level) . . . . . 4 x 1 mL

### Analyte

D-dimer

Refer to myelinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Liquichek™ Diabetes Control



### Available in Multiple Configurations

- Monitors the precision of test methods used for Hemoglobin A1C testing
- Liquid, human whole blood based

### Standard Vials

- Higher third level HbA1c to monitor your assay range
- 3 year shelf life at -20°C to -70°C
- 45 day open-vial stability at 2-8°C

### Compact Vials

- Compatible with applicable automated platforms such as Siemens Dimension Vista and Abbott Alinity
- 2D barcode for quick and easy QC set-up
- 3 year shelf life at -20°C to -50°C
- 30 day open-vial stability at 2-8°C

POCT methods listed for standard vials



### Ordering Information

Cat #	Description	
<b>Standard Vials</b>		
12011343	Level 1	.6 x 1 mL
12011344	Level 2	.6 x 1 mL
12011345	Level 3	.6 x 1 mL
12011334	Trilevel MiniPak (1 of each level)	.3 x 1 mL
<b>Compact Vials</b>		
12011308	Level 1	.6 x 2 mL
12011309	Level 2	.6 x 2 mL
12011310	Level 3	.6 x 2 mL
12011331	Trilevel MiniPak (1 of each level)	.3 x 2 mL

For IntelliQ Diabetes Control, see page 10

### Analyte

Hemoglobin A1C

## Lyphocek™ Diabetes Control



- Lyophilized control available in two levels
- Human whole blood based control
- 3 year shelf life at 2-8°C
- 7 day reconstituted stability at 2-8°C

POCT methods listed

### Ordering Information

Cat #	Description	
740	Bilevel (3 of each level)	6 x 0.5 mL
740X	Bilevel MiniPak (1 of each level)	2 x 0.5 mL

### Analytes

Hemoglobin (Total Glycated)*	Hemoglobin A1C
Hemoglobin (Total)	Hemoglobin F
Hemoglobin A1*	

\*No claims are made regarding performance or stability.

## Lyphocek™ Hemoglobin A<sub>2</sub> Control



- Lyophilized
- Human whole blood based control
- 2 year shelf life at 2-8°C
- 21 day reconstituted stability at 2-8°C for most methods
- 14 day reconstituted stability at 2-8°C for Gel Electrophoresis

### Assayed values available for common analyzers:

#### Bio-Rad

- D-10
- VARIANT™
- VARIANT™ II

#### Other

- SEBIA Hydragel
- SEBIA CAPILLARYS 2
- FLEX PIERCING
- TOSOH G7

### Ordering Information

Cat #	Description	
553	Bilevel (2 of each level)	4 x 0.5 mL
553X	Bilevel MiniPak (1 of each level)	2 x 0.5 mL

### Analytes

Hemoglobin A<sub>2</sub>  
Hemoglobin F  
Hemoglobin S

## Lyphocheck™ Hemoglobin A1C Linearity Set



- Intended to verify linearity throughout the reportable range of Hemoglobin A1C assays
- Human whole blood based
- 3 year shelf life at 2-8°C
- 7 day reconstituted stability at 2-8°C

Linearity Web software available on QCNet.com

### Ordering Information

Cat #	Description
12000070	Set (1 of each level) . . . . . 6 x 0.5 mL

### Analyte

Hemoglobin A1C

### Assayed values available for common analyzers:

#### Bio-Rad Analyzers

- D-10
- VARIANT™
- VARIANT™ II Turbo

#### Other Analyzers

- Beckman Coulter SYNCHRON Systems
- Siemens ADVIA
- Siemens Dimension Series
- Roche COBAS INTEGRA & Hitachi Systems
- Tosoh G7 & G8

### Expected Values for Hemoglobin A1C (%NGSP)\*

Level 1	2.7 - 3.8%
Level 2	4.1 - 5.1%
Level 3	5.5 - 6.5%
Level 4	8.4 - 10%
Level 5	12 - 15%
Level 6	16 - 22%

\*Ranges reflect typical recovery values for this product. Exact values may vary depending on test/assay methodology, instruments, reagent, system calibrators or laboratory technique.

## Meter Trax Control



- Easy-to-use control for Glucose, Hemoglobin and Hematocrit testing on point-of-care instruments
- Glucose and Hemoglobin stable for 31 days at 2-25°C after opening
- Hematocrit stable for 31 days at 2-8°C after opening
- 6 month shelf life at 2-8°C

POCT methods listed

### Ordering Information

Cat #	Description
970	Trilevel (2 of each level) . . . . . 6 x 2 mL
971	Low Level. . . . . 6 x 2 mL
972	Mid Level . . . . . 6 x 2 mL
973	High Level . . . . . 6 x 2 mL
970X	Trilevel MiniPak (1 of each level) . . . . . 3 x 2 mL

### Analytes

Glucose  
Hematocrit (HCT)  
Hemoglobin (Total)

### Assayed values available for common analyzers:

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>Abbott iSTAT</li> <li>BD Clay Adams</li> <li>Beckman StatSpin</li> <li>STI HemataSTAT</li> <li>HemoCue Hb</li> </ul> | <ul style="list-style-type: none"> <li>i-SENS CareSens</li> <li>LifeScan OneTouch</li> <li>Nova StatStrip</li> <li>Roche Accu-Chek</li> </ul> |
|---|---|

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Blood Gas Program



- Liquid, aqueous samples
- Comprehensive menu for external assessment of laboratory test performance of Blood Gas, Electrolytes, Glucose, Lactate and Magnesium
- 12-month cycle

### Ordering Information

Catalog #  
BC31\* ..... 12 x 2.5 mL

### Analytes

Calcium (Ionized)	pCO <sub>2</sub>
Chloride	pH
Glucose	pO <sub>2</sub>
Lactate (Lactic Acid)	Potassium
Magnesium	Sodium

## Blood Typing Program



- Ideal for clinical lab, blood bank and transfusion center testing needs
- Barcoded and ready-to-use tubes for automated platforms
- 3 samples tested every 4 months
- Educational case studies with each shipment

### Ordering Information

Catalog #	Description	Sample	Donor
12000837*	Shipment A	.....	3 x 4 mL + 1 x 2 mL
12000838*	Shipment B	.....	3 x 4 mL + 1 x 2 mL
12000839*	Shipment C	.....	3 x 4 mL + 1 x 2 mL

### Parameters

ABO Group  
Antibody Identification  
Antibody Screen  
Antigen Typing

Compatibility (Cross-match)  
DAT (Direct Antiglobulin Test)  
Rh(D)

## Cardiac Markers Program



- Liquid, human plasma based
- Comprehensive menu of important cardiac assessment markers, plus D-dimer
- 12-month cycle

### Ordering Information

Catalog #  
BC39\* ..... 12 x 1.5 mL

### Analytes

BNP	Homocysteine	Myoglobin	Troponin I
CK-MB	hs-CRP	NT-proBNP	Troponin T
D-dimer			

## Coagulation Program



- Lyophilized, human plasma based
- 11 parameters for external assessment of laboratory coagulation test performance
- 12-month cycle

### Ordering Information

Catalog #  
BC34\* ..... 12 x 1 mL

### Analytes

Antithrombin III (ATIII)	Factor VIII	Protein C	Thrombin Time (TT)
APTT	Fibrinogen	Protein S	Von Willebrand Factor (vWF)
D-dimer	INR	PT	

\*Aspects of the program are subcontracted from an approved supplier. Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

### Clinical Chemistry (Monthly) Program



- Lyophilized, human serum based
- 12-month cycle
- Submit results for the appropriate sample every month
- **Reference Method Values** provided for select analytes

#### Ordering Information

Catalog #  
BC50 ..... 12 x 5 mL

#### Analytes

Acid Phosphatase (Total)	Calcium (Total)	Iron	<b>Sodium</b>
Alanine Aminotransferase (ALT/SGPT)	Carbon Dioxide (CO <sub>2</sub> ) Chloride	Iron Binding Capacity, Total (TIBC)	Thyroid Stimulating Hormone (TSH)
Albumin	Cholesterol (HDL)	Iron Binding Capacity, Unsaturated (UIBC)	Thyroxine (T4), Free
Alkaline Phosphatase (ALP)	Cholesterol (LDL)	Lactate (Lactic Acid)	Thyroxine (T4), Total
Amylase (Pancreatic)	<b>Cholesterol (Total)</b>	Lactate Dehydrogenase (LDH)	Transferrin
Amylase (Total)	Cholinesterase	Lipase	Triglycerides
<b>Aspartate Aminotransferase (AST/SGOT)</b>	Copper	Lithium	Triiodothyronine (T3), Free
Bile Acids	Cortisol	Magnesium	Triiodothyronine (T3), Total
Bilirubin (Direct)	Creatine Kinase (CK)	Osmolality	Urea
Bilirubin (Indirect)	<b>Creatinine</b>	Phosphorus	Urea Nitrogen (BUN)
Bilirubin (Total)	Gamma Glutamyl Transferase (GGT)	<b>Potassium</b>	Uric Acid
Calcium (Ionized)	<b>Glucose</b>	Protein (Total)	Zinc

### Ethanol/Ammonia Program



- Liquid, human serum based
- Clinically relevant levels of serum Ethanol and Ammonia
- 12-month cycle

#### Ordering Information

Catalog #  
BC35\* ..... 12 x 3 mL

#### Analytes

Ammonia  
Ethanol

### Hematology Program



- Liquid product with human RBCs
- Choice of 11 basic hematology parameters
- For use on manual or automated analyzers
- Convenience of primary pierceable tubes
- 12-month cycle consisting of 4 separate shipments
- Submit results for the appropriate sample every month

#### Ordering Information

Catalog #	Description	
BC90A*	Shipment A	..... 3 x 2 mL
BC90B*	Shipment B	..... 3 x 2 mL
BC90C*	Shipment C	..... 3 x 2 mL
BC90D*	Shipment D	..... 3 x 2 mL

#### Parameters

Hematocrit (HCT)	Platelets (PLT)
Hemoglobin (HGB)	Red Blood Cells (RBC)
Mean Corpuscular Hemoglobin (MCH)	Red Blood Cell Distribution Width (RDW)
Mean Corpuscular Hemoglobin Concentration (MCHC)	Red Blood Cell Distribution Width-SD (RDW-SD)
Mean Corpuscular Volume (MCV)	White Blood Cells (WBC)
Mean Platelet Volume (MPV)	

\*Aspects of the program are subcontracted from an approved supplier. Refer to myInSerts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



## Lipids Program



- Liquid, human serum based
- Comprehensive menu of lipid profile analytes
- 12-month cycle
- Submit results for the appropriate sample every month

### Ordering Information

Catalog #  
BC47\* ..... 12 x 3 mL

### Analytes

Apolipoprotein A-1	Cholesterol (Total)
Apolipoprotein B	Lipoprotein (a)
Cholesterol (HDL)	Triglycerides
Cholesterol (LDL)	

## Serum Proteins Program



- Lyophilized, human serum based
- Comprehensive menu for external assessment of serum protein assays
- 12-month cycle
- Submit results for the appropriate sample every month

### Ordering Information

Catalog #  
BC23 ..... 12 x 1 mL

### Analytes

α-1 Acid Glycoprotein	C-Reactive Protein (CRP)	Immunoglobulin E (IgE)	Protein (Total)
α-1 Antitrypsin	Ceruloplasmin	Immunoglobulin G (IgG)	Rheumatoid Factor (RF)
α-2 Macroglobulin	Complement C3	Immunoglobulin M (IgM)	Transferrin
β-2 Microglobulin	Complement C4	Kappa Light Chain	
Albumin	Haptoglobin	Lambda Light Chain	
Antistreptolysin O (ASO)	Immunoglobulin A (IgA)	Prealbumin	

## Syphilis/Chagas Program



- Liquid, human source material
- Suitable for serological tests detecting *Treponema pallidum*, Non-Treponemal and *Trypanosoma cruzi* antibodies
- 12-month cycle
- Qualitative and quantitative results reporting available
- Submit results and view reports each month through EQAS Online

### Ordering Information

Catalog #  
12000833 ..... 12 x 1.5 mL

### Analytes

Non-Treponemal Antibodies	<i>Treponema pallidum</i> Antibodies
<i>Treponema pallidum</i> IgG	<i>Trypanosoma cruzi</i> Antibodies

## Therapeutic Drug Monitoring Program



- Lyophilized, human serum based
- Analytes targeted at therapeutic, sub-therapeutic and toxic levels
- 12-month cycle
- Submit results for the appropriate sample every month
- **Weighed-in Values** provided for select analytes at end of cycle

### Ordering Information

Catalog #  
BC10 ..... 12 x 5 mL

### Analytes

Acetaminophen	Digoxin	Phenobarbital	Tricyclic Antidepressants (TCA)
Amikacin	Ethosuximide	Phenytoin	Screen
Amitriptyline	Gentamicin	Primidone	Valproic Acid
Caffeine	Lithium	Salicylate	Vancomycin
Carbamazepine	Methotrexate	Theophylline	
Cyclosporine	Nortriptyline	Tobramycin	

\*Aspects of the program are subcontracted from an approved supplier. Refer to myInSerts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## ToRCH/EBV/MuMZ Program



- Liquid, human source material
- Suitable for serological tests used to detect pediatric diseases and congenital infections
- Qualitative and quantitative results reporting available
- Submit results and view reports each month through EQAS Online

### Ordering Information

Catalog #  
12000825 . . . . . 12 x 2 mL

### Analytes

Cytomegalovirus (CMV) IgG  
Cytomegalovirus (CMV) IgM  
Epstein-Barr Virus (EBNA) IgG  
Epstein-Barr Virus (VCA) IgG  
Epstein-Barr Virus (VCA) IgM  
Herpes Simplex Virus (HSV-1) IgG  
Herpes Simplex Virus (HSV-1/2) IgG  
Herpes Simplex Virus (HSV-2) IgG

Measles Virus (Rubeola) IgG  
Mumps Virus IgG  
Rubella Virus IgG  
Rubella Virus IgM  
*Toxoplasma gondii* (Toxo) IgG  
*Toxoplasma gondii* (Toxo) IgM  
Varicella Zoster Virus (VZV) IgG

## Urinalysis Program



- Liquid matrix
- Suitable for manual and automated dipstick analysis in both clinical and point-of-care testing (POCT)
- Submit qualitative results and view reports each month through EQAS Online

### Ordering Information

Catalog #  
12000810. . . . . 12 x 12 mL

### Analytes

Albumin  
Albumin-to-Creatinine Ratio  
Bilirubin  
Blood/Hemoglobin  
Creatinine  
Glucose  
Ketones  
Leukocytes

Nitrite  
pH  
Pregnancy (hCG)  
Protein (Total)  
Protein-to-Creatinine Ratio  
Specific Gravity  
Urobilinogen

## Urine Chemistry Program



- Lyophilized, human urine based
- Matrix appropriate samples include basic and specialty urine chemistry analytes
- 12-month cycle
- Submit results for the appropriate sample every month

### Ordering Information

Catalog #  
BC45 . . . . . 12 x 10 mL

### Analytes

5-Hydroxyindoleacetic Acid (5-HIAA)  
Calcium (Total)  
Chloride  
Cortisol (Free)  
Creatinine  
Dopamine

Epinephrine  
Glucose  
Homovanillic Acid (HVA)  
Magnesium  
Metanephrine  
Microalbumin (Albumin)  
Norepinephrine

Normetanephrine  
Osmolality  
Phosphorus  
Potassium  
Protein (Total)  
Sodium

Urea Nitrogen (BUN)  
Uric Acid  
Vanillylmandelic Acid (VMA)  
*Pilot Analyte*  
Urea

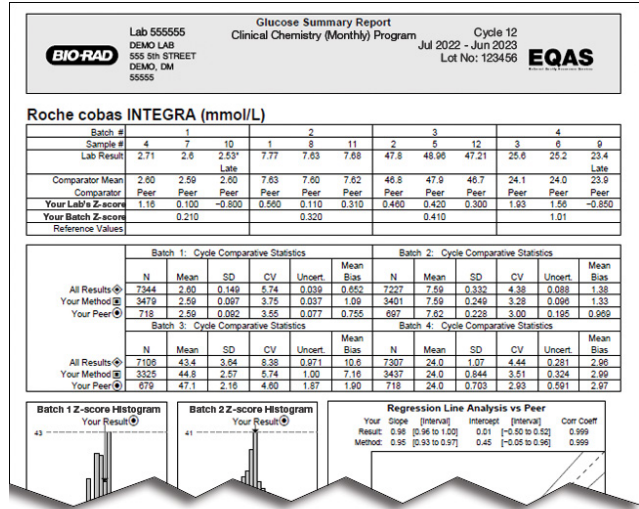
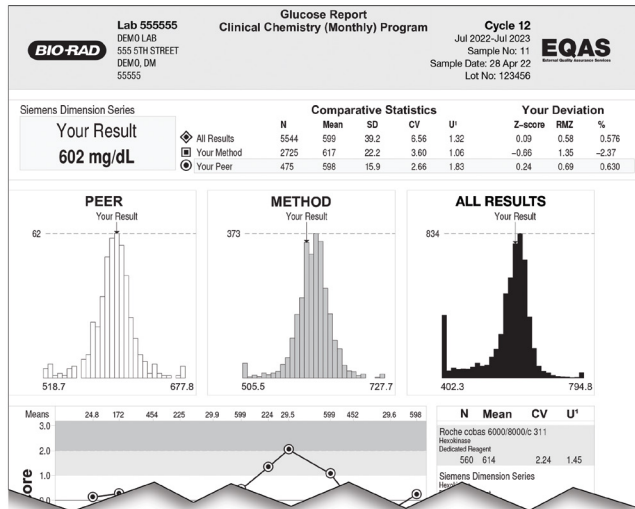
Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



## EQAS™ Reports

Participants receive twelve sample reports and one end-of-cycle report over each program cycle. These detailed reports are presented in an easy-to-read graphic format. Sample reports are available online within three days of the statistical analysis. Additional special reports (Quality Specification, Subgroup and Instrument/Method Summary) are available to registered participants.

## Quantitative Reports



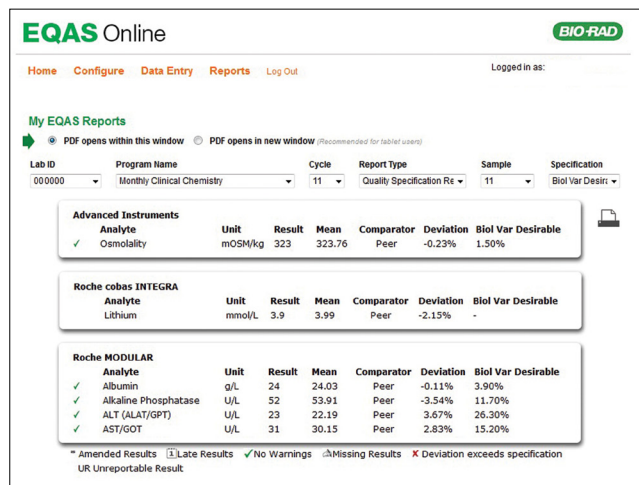
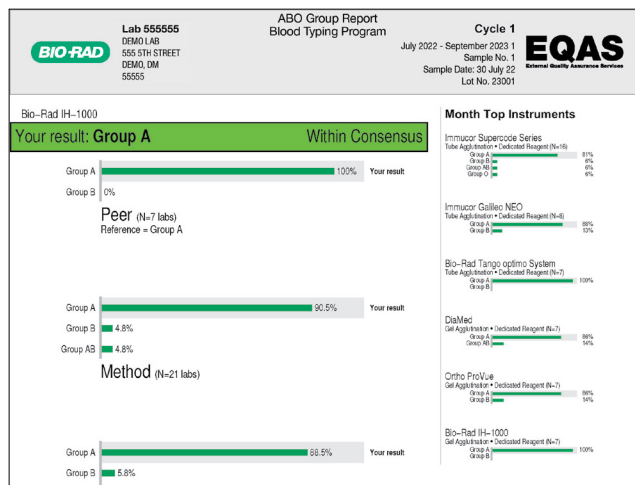
## Sample Report

Detailed individual statistical analyses and peer group comparisons are provided.

## End-of-Cycle Report

An overall assessment of laboratory performance over the entire cycle in terms of bias among participating laboratories is presented.

## Qualitative Report



## Sample Report

These reports provide clear and concise information about your qualitative test laboratory performance in the form of histograms and modified Levey-Jennings charts. They include detailed information about the distribution of the qualitative responses and the peer group consensus.

## Quality Specification Report

An evaluation, in terms of percentage deviation, against set performance criteria from key regulatory and scientific organizations (ex. CLIA, BV, RCPA, IQMH, GOST and RiliBÄK), is available online for each sample analyte.

Refer to myInserpts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Liquichek™ Hematology Control (A)

For Abbott Systems



- Provides assayed values for the Abbott CELL-DYN 3200, Ruby and Sapphire analyzers
- Blood cells in plasma-like fluid
- 78 day shelf life at 2-8°C
- 8 day open-vial stability at 2-8°C

### Ordering Information

Cat #	Description
865	Trilevel (4 of each level) . . . . . 12 x 3 mL
866	Low . . . . . 4 x 3 mL
867	Normal . . . . . 4 x 3 mL
868	High . . . . . 4 x 3 mL
865X	Trilevel MiniPak (1 of each level) . . . . . 3 x 3 mL

### Parameters

- |  |   |
|--|---|
| Basophils (BASO)                                 | Neutrophils (NEUT)                            |
| % Basophils                                      | % Neutrophils                                 |
| Eosinophils (EOS)                                | Nucleated Red Blood Cells (NRBC)              |
| % Eosinophils                                    | Nucleated Red Blood Cells/100 WBC (NRBC/WBC%) |
| Granulocytes (GRAN)                              | Plateletcrit (PCT)*                           |
| Hematocrit (HCT)                                 | Platelet Volume Distribution Width (PDW)*     |
| Hemoglobin (Total)                               | Platelets (PLT)                               |
| Lymphocytes (LYMPH)                              | Platelets Impedance Method (PLTi)             |
| % Lymphocytes                                    | Red Blood Cell Distribution Width (RDW)       |
| Mean Corpuscular Hemoglobin (MCH)                | Red Blood Cells (RBC)                         |
| Mean Corpuscular Hemoglobin Concentration (MCHC) | Red Blood Cells, Optical (RBCo)               |
| Mean Corpuscular Volume (MCV)                    | White Blood Cells (WBC)                       |
| Mean Platelet Volume (MPV)                       | - White Optical Count (WOC)                   |
| MID  | - White Impedance Count (WIC)                 |
| Monocytes (MONO)                                 | - Nucleated Optical Count (NOC)               |
| % Monocytes                                      |   |

\*Values reported by the analyzer are not for diagnostic use



## Liquichek™ Reticulocyte Control (A)

For Abbott Systems

- Assayed whole blood reticulocyte control for use with Abbott CELL-DYN 3200 and Ruby analyzers
- Red cells suspended in plasma-like fluid
- 75 day shelf life at 2-8°C
- 16 day open-vial stability at 2-8°C

### Ordering Information

Cat #	Description
854	Level 1 . . . . . 4 x 3 mL
855	Level 2 . . . . . 4 x 3 mL
855X	Bilevel MiniPak (1 of each level) . . . . . 2 x 3 mL



## Liquichek™ Reticulocyte Control (A-I)

For Abbott Systems

- Assayed reticulocyte control for use with the CELL-DYN Sapphire hematology analyzer
- Red cells suspended in plasma-like fluid
- 78 day shelf life at 2-8°C
- 14 day open-vial stability at 2-8°C

### Ordering Information

Cat #	Description
916	Level 1 . . . . . 4 x 3 mL
917	Level 2 . . . . . 4 x 3 mL
915X	Bilevel MiniPak (1 of each level) . . . . . 2 x 3 mL

### Parameters for Liquichek™ Reticulocyte Control (A) and Liquichek™ Reticulocyte Control (A-I)

- Immature Reticulocyte Fraction (IRF)\*
- Red Blood Cells (RBC)\*
- Reticulocyte (Retic)

\*Available in Liquichek™ Reticulocyte Control (A-1) only.

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Liquichek™ Hematology Control (C)

For Beckman Coulter Systems



- Assayed hematology control for monitoring values obtained on Beckman Coulter hematology analyzers with complete CBC and VCS 5-part differential technology
- Assayed values for the UniCel DxH 600/800, DxH900 and LH 700 analyzers
- Blood cells suspended in plasma-like fluid
- 105 day shelf life at 2-8°C
- 14 day open-vial stability at 2-8°C or 14 thermal cycles, whichever comes first

### Ordering Information

Cat #	Description	Volume
904	Trilevel (4 of each level)	12 x 5 mL
905	Low	4 x 5 mL
906	Normal	4 x 5 mL
907	High	4 x 5 mL
904X	Trilevel MiniPak (1 of each level)	3 x 5 mL

### Parameters

- |  |   |
|--|---|
| Basophils (BA)                                   | Monocytes (MONO)                        |
| Eosinophils (EO)                                 | Neutrophils (NEUT)                      |
| Hematocrit (HCT)                                 | Platelecrit (PCT)*                      |
| Hemoglobin (HGB)                                 | Platelet Distribution Width (PDW)*      |
| Lymphocytes (LYMPH)                              | Platelets (PLT)                         |
| Mean Corpuscular Hemoglobin (MCH)                | RDW-SD <sup>1</sup>                     |
| Mean Corpuscular Hemoglobin Concentration (MCHC) | Red Blood Cell Distribution Width (RDW) |
| Mean Corpuscular Volume (MCV)                    | Red Blood Cells (RBC)                   |
| Mean Platelet Volume (MPV)                       | White Blood Cells (WBC)                 |

\*Values reported by analyzer are not for diagnostic use.  
<sup>1</sup>For Beckman Coulter LH and UniCel DxH 600/800 only.

## Liquichek™ Reticulocyte Control (C)

For Beckman Coulter Systems



- Assayed hematology control for monitoring values obtained on Beckman Coulter analyzers using VCS technology
- Red cells suspended in plasma-like fluid
- 14 day open-vial stability at 2-8°C
- 75 day shelf life at 2-8°C

### Ordering Information

Cat #	Description	Volume
826	Level 1	4 x 4 mL
827	Level 2	4 x 4 mL
828	Level 3	4 x 4 mL
827X	Trilevel MiniPak (1 of each level)	3 x 4 mL

### Parameters

- Immature Reticulocyte Fraction (IRF)
- Mean Reticulocyte Volume (MRV)
- Red Blood Cells (RBC)
- Reticulocyte (Retic)

## Liquichek™ Hematology Control (S)

For Siemens Systems



- An assayed hematology control for monitoring values obtained on Siemens analyzers with 3-part and 5-part differential technology
- Blood cells suspended in plasma-like fluid
- 80 day shelf life at 2-8°C
- 14 day open-vial stability at 2-8°C

### Ordering Information

Cat #	Description
449	Trilevel (4 of each level) . . . . . 12 x 3.5 mL
449X	Trilevel MiniPak (1 of each level) . . . . . 3 x 3.5 mL

### Parameters

Basophils (BASO)	Mean Platelet Volume (MPV)
Cellular Hemoglobin Concentration Mean (CHCM)	Monocytes (MONO)
Eosinophils (EOS)	NEUT X
Hematocrit (HCT)	NEUT Y
Hemoglobin (HGB)	Neutrophils (NEUT)
Hemoglobin Concentration Distribution Width (HDW)	Platelets (PLT)
Large Unstained Cells (LUC)	Red Blood Cell Distribution Width (RDW)
Lymphocytes (LYMPH)	Red Blood Cells (RBC)
Mean Corpuscular Hemoglobin (MCH)	White Blood Cells (WBC)
Mean Corpuscular Hemoglobin Concentration (MCHC)	White Blood Cells Counts Measured in Perox Channel (WBCP Perox)
Mean Corpuscular Volume (MCV)	

## Liquichek™ Reticulocyte Control (S)

For Siemens Systems



- Assayed hematology control monitoring values obtained on Siemens analyzers with automated reticulocyte counting methods
- Red cells suspended in plasma-like fluid
- 80 day shelf life at 2-8°C
- 14 day open-vial stability at 2-8°C

### Ordering Information

Cat #	Description
921	Level 1 . . . . . 4 x 4 mL
922	Level 2 . . . . . 4 x 4 mL
923	Level 3 . . . . . 4 x 4 mL
922X	Trilevel MiniPak (1 of each level) . . . . . 3 x 4 mL

### Parameters

Cellular Hemoglobin Concentration Mean of Gated Red Blood Cells (CHCMg)	Mean Hemoglobin Content of All Gated Red Cells (CHg)
Cellular Hemoglobin Concentration Mean of Reticulocytes (CHCMr)	Mean Hemoglobin Content of Reticulocytes (CHr)
Mean Corpuscular Volume of Gated Red Blood Cells (MCVg)	Reticulocyte (Retic)
Mean Corpuscular Volume of Reticulocytes (MCVr)	Total Red Blood Cell Counts in Retic Channel (Retic RBC)



## Liquichek™ Hematology-16 Control



- Specifically designed for use on most hematology analyzers that measure up to 16 parameters and 3-part white blood cell differentials
- Can be used on either manual sampling or automatic cap-piercing instruments
- Assayed for most 2-16 parameter instruments
- Blood cell suspension
- 160 day shelf life at 2-8°C
- 21 day open-vial stability at 2-8°C

POCT methods listed

### Ordering Information

Cat #	Description
760	Trilevel (2 of each level) . . . . . 6 x 3 mL
761	Low . . . . . 6 x 3 mL
762	Normal . . . . . 6 x 3 mL
763	High . . . . . 6 x 3 mL
760X	Trilevel MiniPak (1 of each level) . . . . . 3 x 3 mL

### Parameters

Granulocytes (GRAN)	Mean Platelet Volume (MPV)
Hematocrit (HCT)	Mid-Sized Cells (MID)
Hemoglobin (HGB)	Monocytes (MONO)
Lymphocytes (LYMPH)	Platelets (PLT)
Mean Corpuscular Hemoglobin (MCH)	Red Blood Cell Distribution Width (RDW)
Mean Corpuscular Hemoglobin Concentration (MCHC)	Red Blood Cells (RBC)
Mean Corpuscular Volume (MCV)	White Blood Cells (WBC)

## Liquichek™ Hematology-16T Control



- A hematology reference control used in monitoring determinations of blood cell values on Sysmex and Abbott 3-part differential hematology analyzers
- Blood cells in plasma-like fluid
- 105 day shelf life at 2-8°C
- 14 day open-vial stability at 2-8°C

### Ordering Information

Cat #	Description
144	Trilevel (4 of each level). . . . . 12 x 2.5 mL
144X	Trilevel MiniPak (1 of each level) . . . . . 3 x 2.5 mL

### Parameters

Granulocytes (GRAN)	MXD (W-MCC & W-MCR)
Hematocrit (HCT)	NEUT (W-LCC & W-LCR)
Hemoglobin (Total)	Platelets (PLT)
LYMPH (W-SCC & W-SCR)	Red Blood Cell Distribution Width (RDW)
Lymphocytes (LYMPH)	Red Blood Cell Distribution Width-CV (RDW-CV)
Mean Corpuscular Hemoglobin (MCH)	Red Blood Cell Distribution Width-SD (RDW-SD)
Mean Corpuscular Hemoglobin Concentration (MCHC)	Red Blood Cells (RBC)
Mean Corpuscular Volume (MCV)	White Blood Cells (WBC)
Mean Platelet Volume (MPV)	
MID	

Refer to myInserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Liquichek™ Sedimentation Rate Control



- Bilevel, human whole blood control designed to monitor the precision of both manual and automated methods for measuring erythrocyte sedimentation rates
- Assayed for over 20 automated and manual methods, including Westergren and Wintrobe
- Stabilized human red blood cells in suspensions
- 540 day shelf life at 18-30°C
- 31 day open-vial stability at 18-30°C

### Ordering Information

Cat #	Description
514	Level 1 . . . . .4 x 9 mL
515	Level 2 . . . . .4 x 9 mL
514X	Bilevel MiniPak (1 of each level) . . . . .2 x 9 mL

### Parameter

Erythrocyte Sedimentation Rate (ESR)

### Liquichek Sedimentation Rate Control may be used with the following instruments and test methods

- BD Seditainer
- Diesse Mini-Cube
- Diesse Mini-Ves
- Diesse Ves-Matic 10
- Diesse Ves-Matic 20/20 Plus
- Diesse Ves-Matic 30/30 Plus
- Diesse Ves-Matic 60/60 Plus
- Diesse Ves-Matic Cube 30
- Diesse Ves-Matic Cube 30 Touch
- Diesse Ves-Matic Cube 80/200
- Diesse Ves-Matic Easy
- Dispette2
- Greiner Bio-One SRS100/II SRT10/II
- Kimble-Chase Disposable Westergren Tubes
- Vital Diagnostics Excyte M, 10, 20, 40
- Vital Diagnostics Excyte Mini
- Vital Diagnostics MICROsed-System
- Vital Diagnostics Monitor Series
- Polymedco Sedimat 60
- Polymedco Sediplast
- Sarstedt S-Sedivette
- Streck ESR-Auto Plus
- Westergren (Modified)
- Wintrobe

If your instrument model is not listed, please contact your nearest Bio-Rad office for current information.

## Liquichek™ Immunoassay Plus Control



### Available in Multiple Configurations

- Efficient solution for QC of routine Immunoassay and Therapeutic Drug Monitoring analytes
- Liquid, human serum based

### Standard Vials

- Assigned values are available for major automated analyzers
- 2 year shelf life at -20°C to -70°C
- 14 day open-vial stability at 2-8°C for most analytes



### Compact Vials

- 2 year shelf life when stored at -20°C to -50°C
- 4 day open-vial stability for all analytes when stored at 2-8°C

POCT methods listed

### Ordering Information

Cat #	Description
<b>Standard Vials</b>	
360	Trilevel (4 of each level) . . . . . 12 x 5 mL
361	Level 1 . . . . . 12 x 5 mL
362	Level 2 . . . . . 12 x 5 mL
363	Level 3 . . . . . 12 x 5 mL
360X	Trilevel MiniPak (1 of each level) . . . . . 3 x 5 mL
<b>Compact Vials</b>	
267	Level 1 . . . . . 12 x 2.5 mL
268	Level 2 . . . . . 12 x 2.5 mL
269	Level 3 . . . . . 12 x 2.5 mL
268X	Trilevel MiniPak (1 of each level) . . . . . 3 x 2.5 mL

For IntelliQ Immunoassay Plus Control, see page 11

## Analytes

	Standard Vial	Compact Vial		Standard Vial	Compact Vial		Standard Vial	Compact Vial
11-Deoxycortisol*	●		Ethosuximide	●		Procainamide**	●	●
17- $\alpha$ -Hydroxyprogesterone**	●		Ferritin	●	●	Progesterone	●	
25-Hydroxy Vitamin D*	●		Flecainide**	●		Prolactin	●	●
Acetaminophen	●	●	Folate	●	●	Propranolol	●	
Aldosterone	●		Fructosamine**	●		PSA	●	●
Alphafetoprotein (AFP)	●	●	FSH	●	●	PSA (Free)	●	●
Amikacin	●	●	Gentamicin	●	●	PTH-MM*	●	
Amiodarone*	●		hCG	●		Quinidine	●	
Amitriptyline*	●		hCG- $\beta$ Subunit	●	●	Salicylate	●	●
Androstenedione	●		hGH	●		SHBG (Sex Hormone Binding Globulin)	●	
Angiotensin I*	●		Ibuprofen	●		Somatomedin-C*	●	
Anti-Thyroglobulin (Anti-Tg)*	●		Imipramine*	●		T3 (Free)	●	●
Anti-Thyroperoxidase (Anti-TPO)*	●		Immunoglobulin A (IgA)	●	●	T3 (Total)	●	●
Caffeine	●	●	Immunoglobulin E (IgE)	●	●	T3 Uptake/T-Uptake	●	●
Carbamazepine	●	●	Immunoglobulin G (IgG)	●	●	T4 (Free)	●	●
Carbamazepine (Free)**	●		Immunoglobulin M (IgM)	●	●	T4 (Total)	●	●
CEA	●	●	Insulin	●		TBG	●	
Chloramphenicol**	●		Iron	●	●	Testosterone	●	
CK-MB Isoenzyme	●	●	Iron (TIBC)*	●		Testosterone (Free)	●	
Cortisol	●		LH	●	●	Theophylline	●	●
Cyclosporine	●		Lidocaine	●	●	Thyroglobulin (Tg)*	●	
Dehydroepiandrosterone (DHEA)*	●		Lithium	●	●	Tobramycin	●	●
Desipramine**	●		N-Acetylprocainamide (NAPA)	●	●	Tricyclic Antidepressants (TCA) Screen	●	●
DHEA Sulfate	●		Netilmicin*	●		TSH	●	●
Digoxin	●	●	Nortriptyline	●		Valproic Acid (Free)	●	
Disopyramide**	●		PAP	●		Valproic Acid**	●	●
Estradiol	●	●	Phenobarbital	●	●	Vancomycin	●	●
Estriol (Free)	●		Phenytoin	●	●	Vitamin B <sub>12</sub>	●	●
Estriol (Total)*	●		Phenytoin (Free)**	●				
Estrogen (Total)**	●		Primidone	●				

\*No claims are made regarding performance or stability.  
\*\*Values are not provided.

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



## Lyphocheck™ Immunoassay Plus Control



- Offers a vast array of popular routine immunoassay analytes
- Assigned values are available for all major automated analyzers
- Provides a highly efficient solution for laboratories that focus on routine tests
- Human serum based
- 3 year shelf life at 2-8°C
- 7 day reconstituted stability at 2-8°C for most analytes

POCT methods listed

### Ordering Information

Cat #	Description
370	Trilevel (4 of each level) . . . . . 12 x 5 mL
371	Level 1 . . . . . 12 x 5 mL
372	Level 2 . . . . . 12 x 5 mL
373	Level 3 . . . . . 12 x 5 mL
370X	Trilevel MiniPak (1 of each level) . . . . . 3 x 5 mL

### Analytes

25-Hydroxy Vitamin D	Desipramine**	Immunoglobulin M (IgM)	Salicylate
11-Deoxycortisol	DHEA Sulfate	Immunoreactive Trypsinogen (IRT)*	SHBG (Sex Hormone Binding Globulin)*
17- $\alpha$ -Hydroxyprogesterone	Digoxin	Insulin	Somatomedin-C
Acetaminophen	Disopyramide	Iron	T3 (Free)
ACTH	Estradiol	Iron (TIBC)	T3 (Total)
Aldosterone	Estriol (Free)	LH	T3 Uptake/T-Uptake
Alphafetoprotein (AFP)	Estriol (Total)*	Lidocaine	T4 (Free)
Amikacin	Estrogen (Total)	Lithium	T4 (Total)
Amiodarone*	Ethosuximide	N-Acetylprocainamide (NAPA)	TBG
Amitriptyline	Ferritin	Netilmicin*	Testosterone
Androstenedione	Flecainide**	Nortriptyline	Testosterone (Free)
Angiotensin I	Folate	PAP	Theophylline
Anti-Thyroglobulin (Anti-Tg)*	Fructosamine**	Phenobarbital	Thyroglobulin (Tg)
Anti-Thyroperoxidase (Anti-TPO)*	FSH	Phenytoin	Tobramycin
C-Peptide	Gastrin	Phenytoin (Free)**	Tricyclic Antidepressants (TCA) Screen**
Caffeine	Gentamicin	Primidone	TSH
Calcitonin	Glucagon*	Procainamide	Valproic Acid
Carbamazepine	hCG	Progesterone	Valproic Acid (Free)**
Carbamazepine (Free)**	hCG- $\beta$ Subunit	Prolactin	Vancomycin
CEA	hGH	Propranolol**	Vitamin B <sub>12</sub>
Chloramphenicol	Imipramine	PSA	
Cortisol	Immunoglobulin A (IgA)	PSA (Free)	
Cyclosporine*	Immunoglobulin E (IgE)	PTH (Intact)*	
Dehydroepiandrosterone (DHEA)	Immunoglobulin G (IgG)	Quinidine**	

\*No claims are made regarding performance or stability.

\*\*Values are not provided.

## Liquichek™ Tumor Marker Control



### Available in Multiple Configurations

- Monitors the precision of tumor marker testing procedures
- Assayed, multi-analyte control
- Liquid, human based

### Standard Vials

- Includes low PSA levels for high-sensitivity methods and low levels of cancer antigens and human-based Ferritin
- Human based
- 2 year shelf life when stored frozen at -20°C to -70°C
- 30 day open-vial stability at 2-8°C for most analytes



### Compact Vials

- Monitors the precision of tumor marker testing procedures
- 2 year shelf life when stored at -20°C to -50°C
- 10 day open-vial stability for all analytes when stored at 2-8°C

## Lyphocheck™ Tumor Marker Plus Control



- A comprehensive, assayed, multi-analyte control
- Ideal for monitoring both routine and esoteric tumor marker testing procedures
- Human serum based
- 3 year shelf life at 2-8°C
- 14 day reconstituted stability at 2-8°C for most analytes

For IntelliQ Tumor Marker Control, see page 12

## Analytes

### Liquichek Tumor Marker and Lyphocheck Tumor Marker Plus Controls

	Liquid (Standard)	Liquid (Compact)	Lyophilized
β-2-Microglobulin	●	●	●
ACTH			●
Aldosterone			●
Alphafetoprotein (AFP)	●	●	●
CA 15-3	●	●	●
CA 19-9	●	●	●
CA 27.29	●		●
CA 50*			●
CA 72-4*	●		●
CA 125	●	●	●
Calcitonin			●
Carcinoembryonic Antigen (CEA)	●	●	●
CASA*1			●
Cyfra 21-1*	●		●
Ferritin	●	●	●
hCG	●	●	●
hCG-β Subunit			●
HE4	●		
HER2/neu	●		
Insulin Growth Factor I (IGF-I)	●		
Neuron Specific Enolase (NSE)*			●
PAP	●		●
ProGRP*	●		
Prolactin	●	●	●
PSA (Free)	●	●	●
PSA (Total)	●	●	●
S-100*			●
SCC*	●		
Thyroglobulin (Tg)	●		●

\*International use only. Not available for diagnostic use in the United States.  
 †No claim is made for expected values or stability.

### Ordering Information

Cat #	Description
<b>Liquichek™ Tumor Marker Control, Standard Vials</b>	
547	Level 1 . . . . . 6 x 2 mL
548	Level 2 . . . . . 6 x 2 mL
549	Level 3 . . . . . 6 x 2 mL
548X	Trilevel MiniPak (1 of each level) . . . . . 3 x 2 mL
<b>Liquichek™ Tumor Marker Control, Compact Vials</b>	
27114	Level 1 . . . . . 6 x 2 mL
27115	Level 2 . . . . . 6 x 2 mL
27116	Level 3 . . . . . 6 x 2 mL
27115X	Trilevel MiniPak (1 of each level) . . . . . 3 x 2 mL

Cat #	Description
<b>Lyphocheck™ Tumor Marker Plus Control</b>	
367	Level 1 . . . . . 6 x 2 mL
368	Level 2 . . . . . 6 x 2 mL
369	Level 3 . . . . . 6 x 2 mL
368X	Trilevel MiniPak (1 of each level) . . . . . 3 x 2 mL

## Liquichek™ Specialty Immunoassay Control



- Offers complex, high usage specialty immunoassay analytes for laboratories conducting specialty testing in support of operating/emergency rooms, hospitals and physician offices
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 30 day open-vial stability at 2-8°C for most analytes

### Ordering Information

Cat #	Description
359	Level LTA . . . . .6 x 5 mL
364	Level 1 . . . . .6 x 5 mL
365	Level 2 . . . . .6 x 5 mL
366	Level 3 . . . . .6 x 5 mL
359X	Four Level MiniPak (1 of each level) . . . . .4 x 5 mL

For IntelliQ Specialty Immunoassay Control, see page 12

### Analytes

25-Hydroxy Vitamin D	Anti-Thyroperoxidase (Anti-TPO)	Erythropoietin (EPO)	Intact PTH
Anti-Thyroglobulin (Anti-Tg)	C-Peptide	Insulin Growth Factor I (IGF-I)	Osteocalcin

## Lyphocheck™ Specialty Immunoassay Control



- Includes popular analytes with increasing clinical utilization
- Human serum based
- 3 year shelf life at 2-8°C
- 30 day reconstituted stability at 2-8°C for most analytes

### Ordering Information

Cat #	Description
27124	Level 1 . . . . .6 x 2 mL
27125	Level 2 . . . . .6 x 2 mL
27126	Level 3 . . . . .6 x 2 mL
27125X	Trilevel MiniPak (1 of each level) . . . . .3 x 2 mL

### Analytes

25-Hydroxy Vitamin D	Procalcitonin
Erythropoietin (EPO)	Sex Hormone Binding Globulin (SHBG)
Intact PTH	

## Lyphocheck™ Anemia Control



- Monitors test precision at clinically significant low/deficient values for anemia-related analytes
- Human serum based
- 3 year shelf life at 2-8°C
- 14 day reconstituted stability at 2-8°C for most analytes

### Ordering Information

Cat #	Description
500	Single Level . . . . .6 x 3 mL
500X	MiniPak . . . . .1 x 3 mL

### Analytes

Ferritin	Iron	Iron (UIBC)	TSH
Folate	Iron (TIBC)	Transferrin	Vitamin B <sub>12</sub>

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

**Liquichek™ AMH Control**



- Liquid convenience to reduce handling errors
- Three levels targeted at low, medium and high clinically-relevant ranges
- Human base to more closely resemble a patient sample
- 26 month shelf life at -20°C to -70°C
- 14 day open-vial stability at 2-8°C

**Ordering Information**

Catalog #	Description
12006327	Trilevel (2 of each level) . . . . .6 x 2 mL

**Analyte**

Anti-Mullerian Hormone

**Lyphocheck™ Fertility Control**



- Designed to monitor the precision of tests performed for fertility or pregnancy
- Elevated hCG and hCG-β Subunit levels allow laboratories to monitor their dilution procedure
- Human serum based
- 3 year shelf life at 2-8°C
- 7 day reconstituted stability at 2-8°C

POCT methods listed

**Ordering Information**

Cat #	Description
480	Trilevel (4 of each level) . . . . . 12 x 5 mL
481	Level 1 . . . . . 12 x 5 mL
482	Level 2 . . . . . 12 x 5 mL
483	Level 3 . . . . . 12 x 5 mL
480X	Trilevel MiniPak (1 of each level) . . . . .3 x 5 mL

**Analytes**

Alphafetoprotein (AFP)	Estriol (Free)	FSH	LH
Digitoxin	Estriol (Total)*	hCG	Progesterone
Estradiol	Ferritin	hCG-β Subunit	Testosterone

\*No claims are made regarding performance or stability.

**Liquichek™ Maternal Serum 1st Trimester Control**



- Liquid, assayed quality control
- Designed to monitor the precision of immunoassay test methods used during maternal serum first trimester screening
- Includes clinically relevant levels of Free beta hCG and PAPP-A
- Human serum based
- 2 year shelf life at -20°C to -70°C
- 15 day open-vial stability at 2-8°C

Available outside the United States only

**Ordering Information**

Catalog #	Description
636	Trilevel (2 of each level) . . . . .6 x 1 mL
636X	Trilevel MiniPak (1 of each level) . . . . .3 x 1 mL

**Analytes**

hCG	PAPP-A
hCG-β Subunit (Free)	

**Liquichek™ Maternal Serum II Control**



- Liquid, assayed quality control serum
- Analytes at clinically significant levels to monitor the precision of maternal serum analysis
- Human serum
- Includes the hormone Inhibin A
- Very elevated hCG
- Very low levels of Free Estriol and AFP

**Ordering Information**

Catalog #	Description
402	Level 1 . . . . . 6 x 2.5 mL
403	Level 2 . . . . . 6 x 2.5 mL
404	Level 3 . . . . . 6 x 2.5 mL
403X	Trilevel MiniPak (1 of each level) . . . . . 3 x 2.5 mL

**Analytes**

AFP	Free Estriol
hCG	Inhibin A

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Liquichek™ Immunoassay Premium Control



- Combination of 62 analytes including routine Immunoassay, Specialty Immunoassay, Therapeutic Drug Monitoring (TDM) and Tumor Marker analytes
- Introduces a new level of efficiency by combining multiple high-usage quality controls
- Reduces QC set-up time, eliminates waste and provides cost and labor savings
- Liquid, human serum based
- 2 year shelf life at -20°C to -70°C
- 14 day open-vial stability at 2-8°C for most analytes
- 28 day unopened stability at 2-8°C for most analytes

### Ordering Information

Cat #	Description
27110	Trilevel (2 of each level) . . . . .6 x 5 mL
27111	Level 1 . . . . .6 x 5 mL
27112	Level 2 . . . . .6 x 5 mL
27113	Level 3 . . . . .6 x 5 mL
27110X	MiniPak (1 of each level). . . . .3 x 5 mL

### Analytes

#### Immunoassay

Acid Phosphatase (Prostatic)  
AFP  
Cortisol  
DHEA-Sulfate  
Estradiol  
Estriol (Free)  
Ferritin  
Folate  
FSH  
hCG (Total Beta)  
hGH  
Insulin  
LH  
Progesterone  
Prolactin  
T3 Uptake/T Uptake  
T3 (Free)  
T3 (Total)

T4 (Free)  
T4 (Total)  
TBG  
Testosterone  
TSH  
Vitamin B<sub>12</sub>

#### Immunology

IgA  
IgE  
IgG  
IgM

#### Specialty Immunoassay

25-Hydroxy Vitamin D (Total)  
SHBG

#### TDM

Acetaminophen  
Amikacin  
Caffeine

Carbamazepine  
Digoxin  
Disopyramide  
Ethosuximide  
Gentamicin  
Lidocaine  
Lithium  
NAPA (N-Acetyl Procainamide)  
Phenobarbital  
Phenytoin  
Phenytoin (Free)  
Primidone  
Procainamide  
Quinidine  
Salicylate  
Theophylline  
Tobramycin  
Tricyclic Antidepressant (TCA)  
Screen

Valproic Acid  
Valproic Acid (Free)  
Vancomycin

#### Tumor Marker

β-2-Microglobulin  
CA 125  
CA 15-3  
CA 19-9  
CEA (Carcinoembryonic Antigen)  
Cyfra 21-1\*  
PSA (Free)  
PSA (Total)

\*Not available for diagnostic use in the United States.

## Lyphocheck™ Hypertension Markers Control



- Provides relevant values in monitoring precision for analytes specific to hypertension disorders
- Human serum based
- 2 year shelf life at 2-8°C
- 21 day reconstituted stability at 2-8°C for most analytes

### Ordering Information

Catalog #	Description
600	Trilevel (2 of each level) . . . . .6 x 2 mL
600X	Trilevel MiniPak (1 of each level). . . . .3 x 2 mL

### Analytes

ACTH  
ADH\*  
Aldosterone  
Cortisol  
Renin

\*No claims are made regarding performance or stability.

## Liquichek™ Immunology Control



### Available in Multiple Configurations

- Comprehensive control to monitor the precision of serum proteins and related analyte test procedures
- Liquid, human serum based

### Standard Vials

- Provides assayed values for most major integrated immunoassay platforms
- Contains more than 30 serum proteins and analytes, including Anti-Cyclic Citrullinated Peptide (Anti-CCP) and Rheumatoid Factor
- 2 year shelf life at -20°C to -70°C
- 30 day open-vial stability at 2-8°C for most analytes

### Compact Vials

- 5 day open-vial stability for all analytes when stored at 2-8°C
- 2 year shelf life when stored at -20°C to -50°C

POCT methods listed for standard vials

### Ordering Information

Cat #	Description
<b>Standard Vials</b>	
591	Level 1 . . . . . 6 x 1 mL
592	Level 2 . . . . . 6 x 1 mL
593	Level 3 . . . . . 6 x 1 mL
590X	Trilevel MiniPak (1 of each level) . . . . . 3 x 1 mL
594	Level 1 . . . . . 6 x 3 mL
595	Level 2 . . . . . 6 x 3 mL
596	Level 3 . . . . . 6 x 3 mL
<b>Compact Vials</b>	
281	Level 1 . . . . . 6 x 2.5 mL
282	Level 2 . . . . . 6 x 2.5 mL
283	Level 3 . . . . . 6 x 2.5 mL
282X	Trilevel MiniPak (1 of each level) . . . . . 3 x 2.5 mL

For IntelliQ Immunology Control, see page 11

### Analytes

α-1-Acid Glycoprotein	Apolipoprotein A-1	Immunoglobulin A (IgA)	Protein Serum (Total)
α-1-Antitrypsin	Apolipoprotein B	Immunoglobulin E (IgE)	Retinol Binding Protein (RBP)
α-2-Macroglobulin	C1 Inhibitor	Immunoglobulin G (IgG)	Rheumatoid Factor
β-2-Microglobulin	Ceruloplasmin	Immunoglobulin G Subclasses 1–4	Transferrin
ADNase B*	Complement C3	Immunoglobulin M (IgM)	
Albumin	Complement C4	Kappa Light Chain	
Anti-Cyclic Citrullinated Peptide (Anti-CCP)*	CRP	Lambda Light Chain	
Antistreptolysin O (ASO)	Cystatin C <sup>1</sup>	Lipoprotein (a)*	
Antithrombin III (AT III)*	Ferritin	Prealbumin	
	Haptoglobin	Properdin Factor B <sup>1</sup> **	

\*Available only in standard vials.

\*\*Values are not provided.

## Lypochek Immunology Plus Control



- Contains 23 serum proteins and related analytes
- Lyophilized, human serum based
- 3 year shelf life at 2–8°C
- 15 day reconstituted stability at 2–8°C

POCT Methods Listed

### Ordering Information

Cat #	Description
430	Bilevel (6 of each level) . . . . . 12 x 1 mL
430X	Bilevel MiniPak (1 of each level) . . . . . 2 x 1 mL

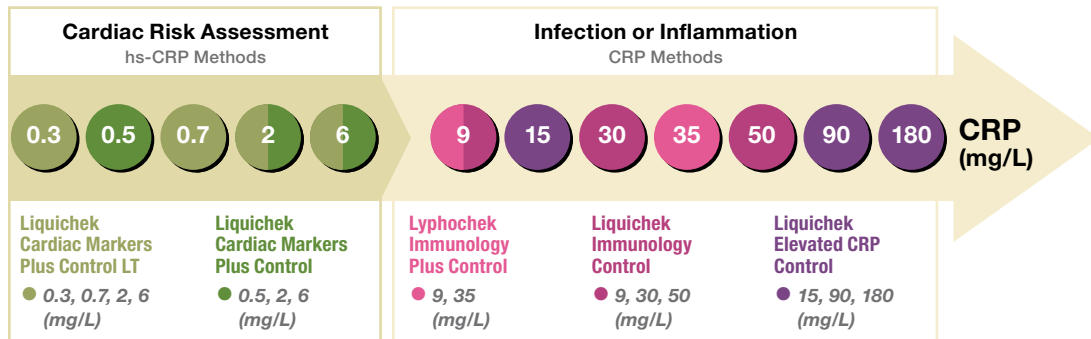
### Analytes

α-1-Acid Glycoprotein	Ceruloplasmin	hs-CRP	Lambda Light Chain
α-1-Antitrypsin	Complement C1q*	Immunoglobulin A (IgA)	Prealbumin
α-2-Macroglobulin	Complement C3	Immunoglobulin E (IgE)	Retinol Binding Protein (RBP)
β-2-Microglobulin	Complement C4	Immunoglobulin G (IgG)	Rheumatoid Factor
Albumin	CRP	Immunoglobulin M (IgM)	Transferrin
Antistreptolysin O (ASO)	Haptoglobin	Kappa Light Chain	

\*No claims are made regarding performance or stability.

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

### Target CRP Levels in Bio-Rad Controls



Values reflect typical assayed values for these products. Recovered values may vary depending on methodology.

### Liquichek Elevated CRP Control



- For monitoring the precision of C-Reactive Protein (CRP) assays as a general marker for infection and inflammation
- Target CRP levels of 15, 90 and 180 mg/L
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 30 day open-vial stability at 2-8°C

#### Ordering Information

Cat #	Description
254	Level 1 . . . . . 12 x 1 mL
255	Level 2 . . . . . 12 x 1 mL
256	Level 3 . . . . . 12 x 1 mL
255X	Trilevel MiniPak (1 of each level) . . . . . 3 x 1 mL

#### Analyte

CRP

### Liquichek Rheumatoid Factor Control



- For monitoring the precision of Rheumatoid Factor testing procedures including nephelometric and latex agglutination methods
- Target Rheumatoid Factor levels of 34, 79 and 150 U/mL
- Liquid, human serum based
- 2 year shelf life at -20°C to -70°C
- 30 day open-vial stability at 2-8°C

#### Ordering Information

Cat #	Description
501	Level 1 . . . . . .6 x 2 mL
502	Level 2 . . . . . .6 x 2 mL
503	Level 3 . . . . . .6 x 2 mL
502X	Trilevel MiniPak (1 of each level) . . . . . .3 x 2 mL

#### Analyte

Rheumatoid Factor

Refer to myInsersts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Liquichek™ Spinal Fluid Control



### Available in Multiple Configurations

- Multi-analyte control with relevant concentrations of analytes for cerebrospinal fluid tests
- Liquid, human based

### Standard Vials

- Level 2 positive for oligoclonal bands, used as an aid in diagnosing Multiple Sclerosis
- 2 year shelf life at 2-8°C
- 30 day open-vial stability at 2-8°C

### Compact Vials

- 2 year shelf life at 2-8°C
- 30 day open-vial stability for all analytes when stored at 2-8°C



### Ordering Information

Cat #	Description
<b>Standard Vials</b>	
751	Level 1 . . . . . 6 x 3 mL
752	Level 2 . . . . . 6 x 3 mL
750X	Bilevel MiniPak (1 of each level) . . . . . 2 x 3 mL
<b>Compact Vials</b>	
303	Level 1 . . . . . 6 x 2.5 mL
304	Level 2 . . . . . 6 x 2.5 mL
302X	Bilevel MiniPak (1 of each level) . . . . . 2 x 2.5 mL

### Analytes

Albumin  
Chloride  
Glucose  
Immunoglobulin A (IgA)\*  
Immunoglobulin G (IgG)  
Immunoglobulin M (IgM)\*  
Lactate (Lactic Acid)

Lactate Dehydrogenase (LDH)  
Protein (Total)  
Protein Electrophoresis\*\*  
Sodium

\*Available only in standard vials.  
\*\*Prealbumin, Albumin,  $\alpha$ -1-Globulin,  $\alpha$ -2-Globulin,  $\beta$ -Globulin,  $\gamma$ -Globulin.

## Lyphocheck Allergen sIgE Control



- Multi-analyte control designed to monitor the precision of *in vitro* allergy test systems
- Provides assayed values for 15 commonly tested allergen-specific IgE antibodies
- Insert listings for fully-automated allergy diagnostic test systems
- Human sourced material
- 3 year shelf life at 2-8°C
- 28 day reconstituted stability at 2-8°C

### Ordering Information

Cat #	Description
12000141	Negative . . . . . 6 x 2 mL
12000142	Panel A . . . . . 6 x 2 mL
12000143	Negative MiniPak . . . . . 1 x 2 mL
12000144	Panel A MiniPak . . . . . 1 x 2 mL

### Analytes

D1 House Dust Mite (*Dermatophagoides pteronyssinus*)  
D2 House Dust Mite (*Dermatophagoides farinae*)  
E1 Cat Dander (*Felis domesticus*)  
E3 Horse Dander (*Equus caballus*)  
E5 Dog Dander (*Canis familiaris*)  
F1 Egg White (*Gallus spp.*)  
F2 Cow Milk (*Bos. spp.*)  
F13 Peanut (*Arachis hypogaea*)

G2 Bermuda Grass (*Cynodon dactylon*)  
G3 Cocksfoot/Orchard Grass (*Dactylis glomerata*)  
G6 Timothy Grass (*Phleum pratense*)  
M3 Mold (*Aspergillus fumigatus*)  
M6 Mold (*Alternaria tenuis*)  
T3 Birch (*Betula*)  
W6 Mugwort (*Artemisia vulgaris*)

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



**Liquichek Autoimmune Controls**



- Individual unassayed pattern and detection controls for monitoring indirect immunofluorescent testing of antinuclear antibodies (ANA) and autoantibodies associated with systemic autoimmune diseases
- Liquid, human serum based
- 2 year shelf life at 2–8°C
- 6 month open-vial stability at 2–8°C

**Package Description**

- Negative and weak positive controls packaged separately
- 0.5 mL per vial

**Ordering Information**

Cat #	Description
107	ANA Control, Homogeneous Pattern. . . . . 3 x 0.5 mL
119	Anti-nDNA Control. . . . . 3 x 0.5 mL
127	Anti-Mitochondrial Control. . . . . 3 x 0.5 mL
129	Anti-Smooth Muscle Control . . . . . 3 x 0.5 mL
130	Autoimmune Negative Control. . . . . 3 x 0.5 mL
131	ANA Controls Set, Positive . . . . . 4 x 0.5 mL (Homogeneous, Speckled, Centromere and Nucleolar Patterns)

Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Hepatitis and Retrovirus

### VIROTROL™ I



- An unassayed quality control
- Human serum based
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C
- Available in multiple configurations and fill sizes

#### Ordering Information

Catalog #	Description
00100A	Single Level/Dropper Bottle . . . . . 1 x 5 mL
00100B	Single Level/Dropper Bottle . . . . . 1 x 5 mL
00100C	Single Level/Dropper Bottle . . . . . 1 x 5 mL
00100E	Single Level/Dropper Bottle . . . . . 1 x 5 mL
00100F	Single Level/Dropper Bottle . . . . . 1 x 5 mL
00100G	Single Level/Dropper Bottle . . . . . 1 x 5 mL
00100H	Single Level/Dropper Bottle . . . . . 1 x 5 mL
00101B	Single Level/Tube . . . . . 10 x 4 mL
00101C	Single Level/Tube . . . . . 10 x 4 mL
00101E	Single Level/Tube . . . . . 10 x 4 mL
00101F	Single Level/Tube . . . . . 10 x 4 mL
00102B	Single Level/Dropper Bottle . . . . . 2 x 20 mL
00102C	Single Level/Dropper Bottle . . . . . 2 x 20 mL

#### Analytes

Anti-CMV	Anti-HIV-1
Anti-HBc	Anti-HTLV-I
Anti-HCV	HBsAg

### Assayed VIROTROL™ I-C | Assayed VIROTROL™ I-E | Assayed VIROTROL™ I-F



- Assayed quality controls
- Human serum based
- Values provided for popular automated methods
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Available outside the United States only.

#### Ordering Information

Cat #	Description
<b>Assayed VIROTROL I-C</b>	
00164	Single Level/Dropper Bottle . . . . . 1 x 5 mL
<b>Assayed VIROTROL I-E</b>	
00166	Single Level/Dropper Bottle . . . . . 1 x 5 mL
<b>Assayed VIROTROL I-F</b>	
00168	Single Level/Dropper Bottle . . . . . 1 x 5 mL

#### Analytes

Anti-CMV*	Anti-HIV-1
Anti-HBc	Anti-HTLV-I*
Anti-HCV	HBsAg

\*Values not provided.

### VIROTROL™ II



- An unassayed quality control
- Human serum based
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C
- Available in multiple configurations and fill sizes

#### Ordering Information

Catalog #	Description
00104A	Single Level/Dropper Bottle . . . . . 1 x 5 mL
00104B	Single Level/Dropper Bottle . . . . . 1 x 5 mL
00115A	Single Level/Tube . . . . . 10 x 4 mL
00115B	Single Level/Tube . . . . . 10 x 4 mL

#### Analytes

Anti-HAV
Anti-HBs

Please note that not all products may be available in all countries. Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Hepatitis and Retrovirus

### Assayed VIROTROL™ II-B



- Assayed quality control
- Human serum based
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Available outside the United States only.

#### Ordering Information

Catalog #	Description
00152	Single Level/Dropper Bottle . . . . . 1 x 5 mL

#### Analytes

Anti-HAV  
Anti-HBs

### VIROTROL™ III



- An unassayed quality control
- Human serum based
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

#### Ordering Information

Catalog #	Description
00110A	Single Level/Dropper Bottle . . . . . 1 x 5 mL
00110C	Single Level/Dropper Bottle . . . . . 1 x 5 mL

#### Analytes

Anti-HAV  
HAV-IgM  
HBc-IgM

### VIROTROL™ IV



- An unassayed quality control
- Human serum based
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

#### Ordering Information

Catalog #	Description
00111	Single Level/Dropper Bottle . . . . . 1 x 5 mL

#### Analyte

Anti-HBe

### VIROTROL™ HIV-1 Ag



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

#### Ordering Information

Catalog #	Description
00108A	Single Level/Dropper Bottle . . . . . 1 x 5 mL
00108B	Single Level/Dropper Bottle . . . . . 1 x 5 mL

#### Analytes

HIV-1 Ag

Please note that not all products may be available in all countries. Refer to myInSerts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Hepatitis and Retrovirus

### VIROTROL™ HIV-1 gO



- An unassayed control used to detect antibodies to HIV-1 group O
- Human serum based
- 2 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

#### Ordering Information

Catalog #	Description
00113	Single Level/Tube . . . . .5 x 4 mL
00113X	Single Level/Tube . . . . .1 x 4 mL

### VIROTROL™ HIV-2



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

#### Ordering Information

Catalog #	Description
00105A	Single Level/Dropper Bottle. . . . .1 x 5 mL
00105B	Single Level/Dropper Bottle. . . . .1 x 5 mL
00105C	Single Level/Dropper Bottle. . . . .1 x 5 mL

#### Analyte

Anti-HIV-2

### VIROTROL™ PLUS-R



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

#### Ordering Information

Catalog #	Description
12000538	Single Level/Tube . . . . .5 x 4 mL
12000539	Single Level/Tube . . . . .1 x 4 mL

#### Analytes

Anti-CMV	Anti-HTLV I/II
Anti-HBc	Anti- <i>Treponema pallidum</i> (Syphilis)
Anti-HCV	HBsAg
Anti-HIV 1/2	

### VIROTROL™ HAV-IgM



- An unassayed quality control
- Human serum based
- 3 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

#### Ordering Information

Catalog #	Description
00142A	Single Level/Dropper Bottle. . . . .1 x 5 mL

### VIROTROL™ HBeAg



- An unassayed quality control
- Human serum based
- 3 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

#### Ordering Information

Catalog #	Description
00144	Single Level/Dropper Bottle. . . . .1 x 5 mL

#### Analyte

HBeAg

Please note that not all products may be available in all countries. Refer to [myinserts.com](http://myinserts.com) or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Hepatitis and Retrovirus

### VIROCLEAR™



- An unassayed, non-reactive quality control
- Human serum based
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C
- Available in multiple configurations and fill sizes

#### Ordering Information

Cat #	Description
00106	Single Level/Dropper Bottle . . . . . 1 x 5 mL
00112	Single Level/Tube . . . . . 10 x 4 mL

#### Analytes

##### Non-reactive for:

Anti-CMV	Anti-HCV	HAV-IgM	Non-treponemal Antibodies (Syphilitic Reagin)
Anti-HAV	Anti-HIV-1	HBc-IgM	<i>Treponema pallidum</i> (Syphilis) IgG
Anti-HBc	Anti-HIV-2	HBsAg	<i>Treponema pallidum</i> (Syphilis) IgM
Anti-HBe	Anti-HTLV-I	HBsAg	<i>Treponema pallidum</i> (Syphilis) Total
Anti-HBs	Anti-HTLV-II	HIV-1 Ag	

## Congenital / Pediatric Diseases

### VIROTROL™ ToRCH



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

#### Ordering Information

Catalog #	Description
00109	Single Level/Dropper Bottle . . . . . 1 x 5 mL

#### Analytes

Cytomegalovirus (CMV) IgG	Rubella Virus IgG
Herpes Simplex Virus Type 1 (HSV-1) IgG	<i>Toxoplasma gondii</i> IgG
Herpes Simplex Virus Type 2 (HSV-2) IgG	

### VIROTROL™ ToRCH-M



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

#### Ordering Information

Cat #	Description
00117A	Single Level/Dropper Bottle . . . . . 1 x 5 mL
00117B	Single Level/Dropper Bottle . . . . . 1 x 5 mL

#### Analytes

Cytomegalovirus (CMV) IgG	Herpes Simplex Virus Type 1 (HSV-1) IgG	Rubella Virus IgG	<i>Toxoplasma gondii</i> IgG
Cytomegalovirus (CMV) IgM	Herpes Simplex Virus Type 2 (HSV-2) IgG	Rubella Virus IgM	<i>Toxoplasma gondii</i> IgM

Please note that not all products may be available in all countries. Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Congenital / Pediatric Diseases

### VIROCLEAR™ ToRCH



- An unassayed, non-reactive quality control
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

#### Ordering Information

Cat #	Description
00118	Single Level/Dropper Bottle . . . . . 1 x 5 mL

#### Analytes

##### Non-reactive for:

Cytomegalovirus (CMV) IgG  
Cytomegalovirus (CMV) IgM  
Herpes Simplex Virus Type 1 (HSV-1) IgG

Herpes Simplex Virus Type 1 (HSV-1) IgM  
Herpes Simplex Virus Type 2 (HSV-2) IgG

Herpes Simplex Virus Type 2 (HSV-2) IgM  
Rubella Virus IgG  
Rubella Virus IgM

*Toxoplasma gondii* IgG  
*Toxoplasma gondii* IgM

### Liquichek™ ToRCH Plus Control



- A bilevel control used to monitor the precision of the most widely used serology test methods
- Liquid, human serum based
- 3 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C
- Positive and negative levels packaged separately

#### Ordering Information

Catalog #	Description
239	Positive . . . . . 3 x 3 mL
239X	Positive MiniPak . . . . . 1 x 3 mL
227	Positive (Assayed)* . . . . . 3 x 3 mL
227X	Positive MiniPak (Assayed)* . . . . . 1 x 3 mL
228	Negative . . . . . 3 x 3 mL
228X	Negative MiniPak . . . . . 1 x 3 mL

\*Assayed control available outside the United States only.

#### Analytes

Cytomegalovirus (CMV) IgG  
Epstein-Barr Virus (EBV) IgG  
*Helicobacter pylori* IgG  
Herpes Simplex Virus Type 1 (HSV-1) IgG  
Herpes Simplex Virus Type 2 (HSV-2) IgG

Rubella Virus IgG  
Syphilis RPR  
*Toxoplasma gondii* IgG  
*Treponema pallidum* (Syphilis) IgG  
Varicella Zoster Virus (VZV) IgG

### VIROTROL™ MuMZ and VIROCLEAR™ MuMZ



- Unassayed quality controls
- Use VIROTROL MuMZ as a reactive control and VIROCLEAR MuMZ as a non-reactive control for the analytes listed at right
- Human serum based
- 2 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

#### Ordering Information

Cat #	Description
<b>VIROTROL MuMZ</b>	
00119	Single Level/Dropper Bottle . . . . . 1 x 5 mL
<b>VIROCLEAR MuMZ</b>	
00133	Single Level/Dropper Bottle . . . . . 1 x 5 mL

#### Analytes

Mumps Virus IgG  
Rubeola Virus (Measles) IgG  
Varicella Zoster Virus (VZV) IgG

Please note that not all products may be available in all countries. Refer to [myinserts.com](http://myinserts.com) or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Respiratory

### VIROTROL™ SARS-CoV-2



- An unassayed reactive control
- Human plasma based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

#### Ordering Information

200300A	Single Level/Tube	.....1 x 4 mL
200305A	Single Level/Tube	.....5 x 4 mL
200300B	Single Level/Tube	.....1 x 4 mL
200305B	Single Level/Tube	.....5 x 4 mL

#### Analytes

SARS-CoV-2 Total IgG/IgM  
SARS CoV-2 IgG

### VIROCLEAR™ SARS-CoV-2



- An unassayed negative control
- Human plasma based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

#### Ordering Information

200500	Single Level/Tube	.....1 x 4 mL
200505	Single Level/Tube	.....5 x 4 mL

#### Analytes

#### Non-reactive for:

SARS-CoV-2 Total IgG/IgM  
SARS CoV-2 IgG

### PneumoTrol



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

#### Ordering Information

Catalog #	Description	
00129	Single Level/Dropper Bottle	.....1 x 5 mL

#### Analytes

*Chlamydia trachomatis* IgG  
*Mycoplasma pneumoniae* IgG  
*Mycoplasma pneumoniae* IgM

Please note that not all products may be available in all countries.  
Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Sexually Transmitted Diseases

### VIROTROL™ Syphilis LR-A



- A low reactive (LR), unassayed quality control
- Human serum based
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

#### Ordering Information

Cat #	Description
00171	Single Level/Tube . . . . .5 x 4 mL
00171X	Single Level/Tube . . . . .1 x 4 mL

#### Analyte

Anti-*Treponema pallidum* (Syphilis)

### VIROTROL™ RPR Panel



- An unassayed quality control
- VIROTROL RPR Panel consists of one non-reactive member, one minimally reactive member, and one moderately to highly reactive titratable member
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

#### Ordering Information

Catalog #	Description
01400	Three Levels/Vial . . . . . 3 x 1.5 mL

#### Analyte

Non-treponemal Antibodies (Syphilitic Reagin)

## Specialty Infectious Disease

### VIROTROL™ Chagas



- An unassayed, reactive quality control
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

#### Ordering Information

Catalog #	Description
00125	Single Level/Tube . . . . .5 x 4 mL
00125X	Single Level/Tube . . . . .1 x 4 mL

#### Analyte

*Trypanosoma cruzi* (*T. cruzi*) Antibodies

### VIROTROL™ EBV



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

#### Ordering Information

Catalog #	Description
00128A	Single Level/Dropper Bottle. . . . .1 x 5 mL

#### Analytes

EBNA IgG  
Epstein-Barr Virus (VCA) IgG  
Epstein-Barr Virus (VCA) IgM

Please note that not all products may be available in all countries. Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



Specialty Infectious Disease

**VIROCLEAR™ EBV**



- An unassayed, non-reactive quality control
- Human serum based
- 2 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

**Ordering Information**

Catalog #	Description
00131	Single Level/Dropper Bottle. . . . . 1 x 5 mL

**Analytes**

**Non-reactive for:**

- EBNA IgG
- EBV EA-D IgG
- Epstein-Barr Virus (VCA) IgG
- Epstein-Barr Virus (VCA) IgM

**VIROTROL™ Lyme**



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

**Ordering Information**

Catalog #	Description
00132	Single Level/Dropper Bottle. . . . . 1 x 5 mL

**Analyte**

*Borrelia burgdorferi* IgG

**PyloriTrol**



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

**Ordering Information**

Catalog #	Description
00121	Single Level/Dropper Bottle. . . . . 1 x 5 mL

**Analyte**

*Helicobacter pylori* IgG

**VIROTROL™ WNV**



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

**Ordering Information**

Catalog #	Description
00116	Single Level/Dropper Bottle. . . . . 1 x 5 mL

**Analytes**

- West Nile Virus IgG
- West Nile Virus IgM

Please note that not all products may be available in all countries. Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Liquichek™ Therapeutic Drug Monitoring Control (TDM)



- For labs that run a high volume of serum therapeutic drug tests or prefer dedicated TDM controls
- Includes markers for monitoring thyroid function and some esoteric drugs
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 180 day unopened-vial stability at 2-8°C for most analytes
- 30 day open-vial stability at 2-8°C for most analytes

### Ordering Information

Cat #	Description	
724	Trilevel (4 of each level)	12 x 5 mL
725	Level 1	12 x 5 mL
726	Level 2	12 x 5 mL
727	Level 3	12 x 5 mL
724X	MiniPak (1 of each level)	3 x 5 mL

### Analytes

Acetaminophen	Digoxin	Nortriptyline*	T4 (Free)*
Amikacin	Disopyramide	Phenobarbital	T4 (Total)
Amitriptyline*	Estriol (Total)*	Phenytoin	Theophylline
Caffeine	Ethosuximide	Phenytoin (Free)	Thyroid Stimulating Hormone (TSH)
Carbamazepine	Flecainide*	Primidone	Tobramycin
Carbamazepine (Free)	Gentamicin	Procainamide	Tricyclic Antidepressants (TCA)
Chloramphenicol	Haloperidol*	Propranolol	Screen
Clonazepam*	Imipramine*	Quinidine	Valproic Acid
Cortisol	Lidocaine	Salicylate	Valproic Acid (Free)
Cyclosporine*	Lithium	T3 (Free)	Vancomycin
Desipramine	Methotrexate	T3 (Total)	
Diazepam	N-Acetylprocainamide (NAPA)	T3 Uptake/T-Uptake	

\*No claims are made regarding performance or stability.

## Lymphocheck™ Therapeutic Drug Monitoring Control (TDM)



- For labs that run a high volume of serum therapeutic drug tests or prefer dedicated TDM controls
- Contains over 40 analytes including markers for monitoring thyroid function
- Human serum based
- 3 year shelf life at 2-8°C
- 30 day reconstituted stability at 2-8°C for most analytes

### Ordering Information

Cat #	Description	
450	Trilevel (4 of each level)	12 x 5 mL
451	Level 1	12 x 5 mL
452	Level 2	12 x 5 mL
453	Level 3	12 x 5 mL
450X	MiniPak (1 of each level)	3 x 5 mL

### Analytes

Acetaminophen	Disopyramide	Nortriptyline	T4 (Total)
Amikacin	Estriol (Total)*	Phenobarbital	Theophylline
Amiodarone*	Ethosuximide	Phenytoin	Thyroid Stimulating Hormone (TSH)
Amitriptyline	Flecainide*	Phenytoin (Free)	Tobramycin
Caffeine	Gentamicin	Primidone	Tricyclic Antidepressants (TCA)
Carbamazepine	Haloperidol*	Procainamide	Screen
Carbamazepine (Free)	Imipramine	Propranolol	Valproic Acid
Chloramphenicol	Lidocaine	Quinidine	Valproic Acid (Free)
Cortisol	Lithium	Salicylate	Vancomycin
Cyclosporine	Methotrexate	T3 (Total)	
Desipramine	N-Acetylprocainamide (NAPA)	T3 Uptake/T-Uptake	
Digoxin	Netilmicin*	T4 (Free)	

\*No claims are made regarding performance or stability.

Refer to myelinserts.com, exactdiagnostics.com or the package insert of currently available lots for specific analyte and stability claims.

## Liquichek™ Whole Blood Immunosuppressant Control



- Multiple levels ranging from low to very high immunosuppressant concentrations
- Compatible with chromatography and most immunoassay methods
- Liquid, human blood based
- 3 year shelf life at -20°C to -70°C
- 14 day open-vial stability at 2-8°C for most analytes

## Lyphochek™ Whole Blood Immunosuppressant Control



- Multiple levels ranging from low to very high immunosuppressant concentrations
- Compatible with chromatography and most immunoassay methods
- Lyophilized, human blood based
- 3 year shelf life at 2-8°C
- 14 day reconstituted stability at 2-8°C
- 30 day reconstituted stability at -20°C to -70°C

### Ordering Information

Cat #	Description
12000404	Level 1 . . . . . 6 x 2 mL
12000405	Level 2 . . . . . 6 x 2 mL
12000406	Level 3 . . . . . 6 x 2 mL
12000407	Level 4 . . . . . 6 x 2 mL
12000408	Four Level MiniPak (1 of each level) . . . . . 4 x 2 mL

### Ordering Information

Cat #	Description
274	Level 1 . . . . . 6 x 2 mL
275	Level 2 . . . . . 6 x 2 mL
276	Level 3 . . . . . 6 x 2 mL
277	Level 4 . . . . . 6 x 2 mL
278	Level 5 . . . . . 6 x 2 mL
279X	Five Level MiniPak (1 of each level) . . . . . 5 x 2 mL

## Analytes for Liquichek and Lyphochek Whole Blood Immunosuppressant Controls

Cyclosporine                      Everolimus\*                      Sirolimus                      Tacrolimus (FK 506)

\*Available in Liquichek Whole Blood Immunosuppressant Control only.

Catalog Number	Liquichek Whole Blood Immunosuppressant Control				Lyphochek Whole Blood Immunosuppressant Control				
	Level 1	Level 2	Level 3	Level 4	Level 1	Level 2	Level 3	Level 4	Level 5
	12000404	12000405	12000406	12000407	274	275	276	277	278
Everolimus		•	•	•					
Cyclosporine Sirolimus Tacrolimus	•	•	•		•	•	•		
Extended/High range methods, including chromatography: Cyclosporine Tacrolimus				•				•	•

Refer to the package insert for instrument-specific ranges for each level.

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

**Liquichek™ Qualitative Urine Toxicology Control, Negative and Positive**

Use with qualitative urine drug panels, including POCT methods such as the Bio-Rad TOX/See



- Human urine
- 3 year shelf life at 2-8°C
- 30 day open-vial stability at 2-25°C

POCT methods listed

**Ordering Information**

Cat #	Description
454	Negative Level . . . . . 6 x 3 mL
455	Positive Level . . . . . 6 x 3 mL
454X	Bilevel MiniPak (1 of each level) . . . . . 2 x 3 mL

**Analyte Target Values**

Analytes	Negative* (ng/mL)	Positive (ng/mL)
<b>Amphetamines</b>		
d-Amphetamine	<50	2,000
d-Methamphetamine	<50	2,000
3, 4-Methylenedioxymethamphetamine (MDMA)	<75	750
<b>Barbiturates</b>		
Secobarbital	<50	1,000
<b>Benzodiazepines</b>		
Nordiazepam	<50	3,000
Oxazepam	<50	1,000
<b>Cannabinoids</b>		
11-Nor-Δ-9-THC-9-COOH	<3	150
<b>Cocaine</b>		
Benzoyllecgonine	<30	4,000
Ethanol (mg/dL)	<20	250
Lysergic Acid Diethylamide (LSD)	<0.1	2.0
Methadone	<75	750
Methaqualone	<50	750
<b>Opiates</b>		
Morphine (Free)	<50	3,000
Oxycodone	<50	150
Phencyclidine (PCP)	<5	200
Propoxyphene	<50	750
<b>Tricyclic Antidepressants</b>		
Nortriptyline	<20	2,000

\*Negative level has been tested and found to be negative for the analytes listed in the package insert. Values above represent the testing method's Limit of Quantitation (LOQ).

**Liquichek™ Urine Toxicology Negative Control**

Use with Screening or Confirmatory methods



- Confirmed negative by GC-MS, LC-MS or other methods for 32 common drugs or drug metabolites
- Human urine
- 3 year shelf life at 2-8°C
- 60 day open-vial stability when stored refrigerated at 2-8°C

**Ordering Information**

Cat #	Description
460	Negative Control . . . . . 10 x 20 mL
460X	MiniPak . . . . . 1 x 20 mL

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Liquichek™ Opiate Control



- Contains eight drugs or drug metabolites, at concentrations above and below assay cutoffs
- This control has been tested by GC/MS, LC/MS/MS and other methods to confirm the recovery of drug concentration
- Representative values for screening and confirmatory methods provided
- Human urine
- 3 year shelf life at -20°C to -70°C
- 30 day open-vial stability at 2-8°C

### Ordering Information

Cat #	Description
12005786	Level 1 . . . . .6 x 5 mL
12005787	Level 2 . . . . .6 x 5 mL
12002594	Level 1 MiniPak . . . . .1 x 5 mL
12002595	Level 2 MiniPak . . . . .1 x 5 mL

### Gravimetric Reference Values

Analyte (ng/mL)	Level 1	Level 2
6-Monoacetylmorphine (6-MAM, Heroin Metabolite)	7.5	12.5
Buprenorphine	5	15
EDDP (Methadone Metabolite)	50	150
Fentanyl	0.25	0.75
Meperidine*	100	300
Methadone	150	450
Oxycodone	50	150
Tramadol*	100	300

\*International use only.

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Liquichek™ Urine Toxicology Controls

## SCREEN CONTROLS



### Levels S1 & S2 Levels S1E & S2E

- Human urine
- 3 year shelf life at 2-8°C
- 30 day open-vial stability at 2-8°C

### Ordering Information

Cat #	Description
438	Level S1E . . . . . 10 x 10 mL
439	Level S2E . . . . . 10 x 10 mL
461	Level S1 . . . . . 10 x 10 mL
462	Level S2 . . . . . 10 x 10 mL

MiniPaks also available



### Determine your cutoff

Controls on this page recommended for High Opiate cutoff (2,000 ng/mL)



## Gravimetric Reference Values

Select the controls best suited for your Benzodiazepine assays

Analytes (ng/mL)	Level S1E	Level S2E	Level S1	Level S2
	<i>(e.g. Siemens EMIT II, EMIT DAT &amp; Ortho VITROS)</i> <b>Lormetazepam</b>		<i>(e.g. Roche OnLine)</i> <b>Nordiazepam</b>	
<b>Amphetamines</b>				
d-Amphetamine	–	–	750	1,250
d-Methamphetamine	750	1,250	–	–
MDMA (Ecstasy)	–	–	–	–
<b>Barbiturates</b>				
Secobarbital	150	375	150	375
<b>Benzodiazepines</b>				
Lormetazepam	150	375	–	–
Nordiazepam	–	–	75	375
Oxazepam	–	–	–	–
<b>Cannabinoids</b>				
11-Nor- $\Delta$ -9-THC-9-COOH	37.5	65	37.5	65
<b>Cocaine</b>				
Benzoylcegonine	225	375	225	375
Ethanol (mg/dL)	40	70	40	70
Lysergic Acid Diethylamide (LSD)	0.3	0.8	0.3	0.8
Methadone	225	375	225	375
Methaqualone	225	375	225	375
<b>Opiates</b>				
Morphine (Free)	1,500	2,500	1,500	2,500
Phencyclidine (PCP)	19	31	19	31
Propoxyphene	225	375	225	375
<b>Tricyclic Antidepressants</b>				
Nortriptyline	750	1,250	750	1,250

\*United States Substance Abuse and Mental Health Services Administration. Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Liquichek™ Urine Toxicology Controls

## SCREEN CONTROLS



### Levels S1E & S2E Low Opiate

### Levels S1 & S2 Low Opiate

- Human urine
- 3 year shelf life at 2-8°C
- 30 day open-vial stability at 2-8°C

### Levels S10 & S20 Low Opiate

- Human urine
- 2 year shelf life at -20 to -70°C
- 30 day open-vial stability at 2-8°C
- 45 day closed-vial stability at 2-8°C

### Ordering Information

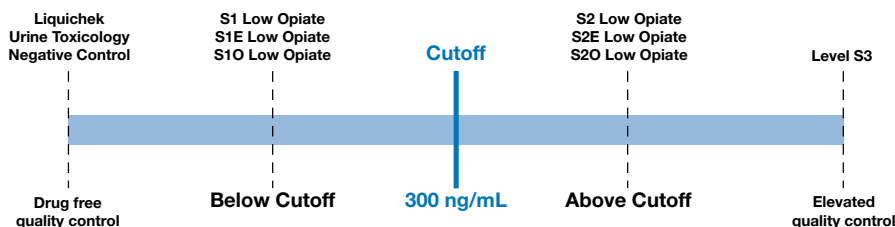
Cat #	Description
423	Level S1E Low Opiate . . . . . 10 x 10 mL
424	Level S2E Low Opiate . . . . . 10 x 10 mL
466	Level S1 Low Opiate . . . . . 10 x 10 mL
467	Level S2 Low Opiate . . . . . 10 x 10 mL
683	Level S10 Low Opiate . . . . . 10 x 10 mL
706	Level S20 Low Opiate . . . . . 10 x 10 mL

MiniPaks also available



### Determine your cutoff

Controls on this page recommended for Low Opiate cutoff (300 ng/mL)



## Gravimetric Reference Values

Select the controls best suited for your Benzodiazepine assays

Analytes (ng/mL)	Level S1E Low Opiate	Level S2E Low Opiate	Level S1 Low Opiate	Level S2 Low Opiate	Level S10 Low Opiate	Level S20 Low Opiate
	<i>(e.g.: Siemens EMIT II &amp; EMIT DAT, Ortho VITROS)</i>		<i>(e.g.: Roche OnLine)</i>		<i>(e.g.: Abbott Multigent, Thermo DRI)</i>	
<i>Example assays may include:</i>	<b>Lormetazepam</b>		<b>Nordiazepam</b>		<b>Oxazepam</b>	
<b>Amphetamines</b>						
d-Amphetamine	–	–	750	1,250	–	–
d-Methamphetamine	750	1,250	–	–	750	1,250
MDMA (Ecstasy)	–	–	–	–	–	–
<b>Barbiturates</b>						
Secobarbital	150	375	150	375	150	375
<b>Benzodiazepines</b>						
Lormetazepam	150	375	–	–	–	–
Nordiazepam	–	–	75	375	–	–
Oxazepam	–	–	–	–	100	300
<b>Cannabinoids</b>						
11-Nor-Δ-9-THC-9-COOH	37.5	65	37.5	65	37.5	65
<b>Cocaine</b>						
Benzoylcegonine	225	375	225	375	225	375
Ethanol (mg/dL)	40	70	40	70	40	70
Lysergic Acid Diethylamide (LSD)	0.3	0.8	0.3	0.8	0.3	0.8
Methodone	225	375	225	375	225	375
Methaqualone	225	375	225	375	225	375
<b>Opiates</b>						
Morphine (Free)	225	375	225	375	225	375
Phencyclidine (PCP)	19	31	19	31	19	31
Propoxyphene	225	375	225	375	225	375
<b>Tricyclic Antidepressants</b>						
Nortriptyline	750	1,250	750	1,250	–	–

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

**Liquichek™ Urine Toxicology Controls**

**SCREEN CONTROLS**



**Levels S1S & S2S**

- Contains six drugs of abuse at concentrations 20-25% below and above SAMHSA's recommended cutoff levels
- Human urine
- 3 year shelf life at 2-8°C
- 30 day open-vial stability at 2-8°C

**Ordering Information**

Catalog #	Description
409	Level S1S . . . . . 10 x 10 mL
419	Level S2S . . . . . 10 x 10 mL

MiniPaks also available



**Determine your cutoff**

Levels S1S & S2S recommended for labs running SAMHSA\* cutoffs



**Level S3**

- An elevated control for most urine Drugs-of-Abuse cutoffs
- For Low Opiate Cutoff
- Human Urine
- 3 year shelf life at 2-8°C
- 30 day open-vial stability at 2-8°C

**Ordering Information**

Catalog #	Description
463	Level S3 . . . . . 10 x 10 mL

MiniPaks also available



**Determine your cutoff**

Level S3 recommended for labs that need an Elevated/Strong Positive control

**Gravimetric Reference Values**

Analytes (ng/mL)	Level S1S	SAMHSA* Screen Cutoffs	Level S2S	Level S3
<b>Amphetamines</b>				
d-Amphetamine	–	–	–	2,000
d-Methamphetamine	375	500	625	–
MDMA (Ecstasy)	375	500	625	–
<b>Barbiturates</b>				
Secobarbital	–	–	–	1,000
<b>Benzodiazepines</b>				
Lormetazepam	–	–	–	–
Nordiazepam	–	–	–	1,000
Oxazepam	–	–	–	–
<b>Cannabinoids</b>				
11-Nor-Δ-9-THC-9-COOH	37.5	50	65	125
<b>Cocaine</b>				
Benzoyllecgonine	113	150	185	500
Ethanol (mg/dL)	–	–	–	250
Lysergic Acid Diethylamide (LSD)	–	–	–	2.0
Methadone	–	–	–	750
Methaqualone	–	–	–	750
<b>Opiates</b>				
Morphine (Free)	1,500	2,000	2,500	750
Phencyclidine (PCP)	19	25	31	200
Propoxyphene	–	–	–	750
<b>Tricyclic Antidepressants</b>				
Nortriptyline	–	–	–	2,000

\*United States Substance Abuse and Mental Health Services Administration.

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



## Liquichek™ Urine Toxicology Controls

## CONFIRM CONTROLS



- Human urine
- 3 year shelf life at 2-8°C
- 30 day open-vial stability at 2-8°C

### Level C1

Contains drugs at the Limit of Quantitation (LOQ) or at very low concentrations

### Levels C2 & C2 Low Opiate

Contains drugs at 20-25% below confirmatory drug cutoff levels

### Levels C3 & C3 Low Opiate

Contains drugs at 20-25% above confirmatory drug cutoff levels

### Level C4

Contains drugs at elevated concentrations

### Ordering Information

Catalog #	Description	Catalog #	Description
441	Level C1 . . . . . 10 x 20 mL	444	Level C4 . . . . . 10 x 20 mL
442	Level C2 . . . . . 10 x 20 mL	468	Level C2 Low Opiate . . . . . 10 x 20 mL
443	Level C3 . . . . . 10 x 20 mL	469	Level C3 Low Opiate . . . . . 10 x 20 mL

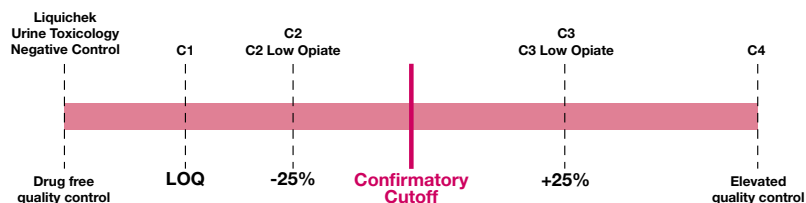
MiniPaks also available

### Gravimetric Reference Values

Analytes (ng/mL)	Designed for SAMHSA* Cutoff					
	Level C1	Level C2	Level C3	Level C4	Level C2 Low Opiate	Level C3 Low Opiate
d-Amphetamine	100	188	312	750	375	625
d-Methamphetamine	100	188	312	750	375	625
3, 4-Methylenedioxymethamphetamine (MDMA)	100	188	312	750	–	–
3, 4-Methylenedioxyamphetamine (MDA)	100	188	312	750	–	–
3, 4-Methylenedioxy-N-ethylamphetamine (MDEA)	100	188	312	750	–	–
Amobarbital	80	150	250	1,200	150	250
Butalbital	80	150	250	1,200	150	250
Pentobarbital	80	150	250	1,200	150	250
Phenobarbital	80	150	250	1,200	150	250
Secobarbital	80	150	250	1,200	150	250
Alpha-Hydroxyalprazolam	80	225	375	1,000	225	375
Nordiazepam	80	225	375	1,000	225	375
Oxazepam**	**	**	**	**	**	**
11-Nor-Δ-9-THC-9-COOH	6	11.5	18.5	150	11.5	18.5
Benzoylcegonine	40	75	125	300	115	185
Ethanol (mg/dL)	20	40	70	250	40	70
Lysergic Acid Diethylamide (LSD)	0.2	0.35	0.65	4.0	0.35	0.65
Methadone	120	225	375	1,000	225	375
EDDP (Methadone Metabolite)**	**	**	**	**	**	**
Methaqualone	120	225	375	1,000	225	375
6-Monoacetylmorphine**	**	**	**	**	**	**
Codeine	120	1,500	2,500	4,000	225	375
Morphine-3-β-d-Glucuronide	120	1,500	2,500	4,000	225	375
Phencyclidine (PCP)	10	19	31	100	19	31
Norpropoxyphene	120	225	375	1,000	225	375
Propoxyphene	120	225	375	1,000	225	375

\*United States Substance Abuse and Mental Health Services Administration.

\*\*Analyte present, no claims are made regarding performance or stability.



Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Lyphochek™ Drug Free Serum



- Tested by HPLC and other methods
- Found to be drug free for more than 60 therapeutic drugs and illicit compounds
- Human serum
- 3 year shelf life at 2-8°C
- 10 day reconstituted stability at 2-8°C

### Ordering Information

Catalog #	Description
456	Single Level . . . . . 12 x 10 mL
456X	MiniPak . . . . . 1 x 10 mL

### Analytes

Acetaminophen	Desipramine	Meperidine	Phenytol
Alprazolam	Desmethyldoxepin	Methadone	Primidone
Amikacin	Diazepam	Methamphetamine	Procainamide
Amitriptyline	Digoxin	Methaqualone	Propoxyphene
Amphetamine	Digoxin	Methotrexate	Propranolol
Caffeine	Disopyramide*	Methyprylon*	Pyrimamine
Cannabinoids	Doxepin	Morphine	Quinidine
Carbamazepine	Ethosuximide	N-Acetylprocainamide (NAPA)	Quinine
Chloramphenicol	Flecainide	Nicotine	Salicylate
Chlordiazepoxide	Gentamicin	Norclomipramine	Secobarbital
Cimetidine	Glutethimide	Nordiazepam	Theophylline
Clomipramine	Haloperidol	Nordoxepin	Tobramycin
Clonazepam	Hydromorphone	Nortriptyline	Trazodone
Cocaine	Ibuprofen	Oxazepam	Valproic Acid
Codeine	Imipramine	Phencyclidine (PCP)	Vancomycin
Cyclosporine	Lidocaine	Phenobarbital	
Desalkylflurazepam	Lithium	Phenothiazines	

\*No claim is made for expected value or stability.

## Lyphochek™ Benzo/TCA Control-Set B



- Used in conjunction with separation techniques, such as chromatography or mass spectrometry in identification and quantification of benzodiazepine and tricyclic antidepressant drugs
- Compatible with Roche COBAS INTEGRA Serum Benzodiazepines Assay for Alprazolam measurements
- Human serum based
- 3 year shelf life at 2-8°C
- 14 day reconstituted stability at 2-8°C

### Ordering Information

Catalog #	Description
663	Level 1 . . . . . 6 x 5 mL
664	Level 2 . . . . . 6 x 5 mL
665X	Bilevel MiniPak (1 of each level) . . . . . 2 x 5 mL

### Analytes

Alprazolam  
Clomipramine  
Norclomipramine  
Trazodone

Clonazepam has been added to this product as a service to laboratories that wish to investigate this analyte. No claims are made regarding performance or stability.

## Lyphochek™ Whole Blood Metals Control



- Contains major heavy metals of toxicological and environmental significance for whole blood analysis
- Assayed values for Lead include AA, ASV, ICP-MS and IDMS
- Human whole blood based
- 3 year shelf life at 2-8°C
- 14 day reconstituted stability at 2-8°C

### Ordering Information

Catalog #	Description
527	Level 1 . . . . . 6 x 2 mL
528	Level 2 . . . . . 6 x 2 mL
529	Level 3 . . . . . 6 x 2 mL
528X	Trilevel MiniPak (1 of each level) . . . . . 3 x 2 mL

### Analytes

Arsenic  
Cadmium  
Lead  
Mercury  
Thallium

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

### Liquichek™ Serum Volatiles Control



- Value assigned for volatile substances by multiple methods, including GC and clinical methods (Ethanol)
- Serum based
- 3 year shelf life at 2-8°C
- 10 day open-vial stability at 2-8°C

#### Ordering Information

Cat #	Description
383	Level 1 . . . . .6 x 5 mL
384	Level 2 . . . . .6 x 5 mL
385X	Bilevel MiniPak (1 of each level) . . . . .2 x 5 mL

#### Analytes

Acetone	Ethylene Glycol	Isopropanol (Isopropyl Alcohol)	Methanol (Methyl Alcohol)
Ethanol			

### Lyphocheck™ Urine Metals Control



- Supports toxicological environmental and industrial testing by providing assayed values of critical trace elements, heavy metals and organic metabolites by AA, GC-MS, HPLC and ICP-MS
- Human urine
- 3 year shelf life at 2-8°C
- 5 day reconstituted stability at 2-8°C
- 30 day reconstituted stability at -10°C to -20°C

#### Ordering Information

Catalog #	Description
400	Level 1 . . . . .10 x 25 mL
405	Level 2 . . . . .10 x 25 mL
402X	Bilevel MiniPak (1 of each level) . . . . .2 x 25 mL

#### Analytes

5-Aminolevulinic Acid (ALA)	Cobalt	Mandelic Acid	Phenylglyoxylic Acid
Aluminum	Copper	Manganese	Selenium
Antimony	Fluoride	Mercury	Thallium
Arsenic	Hippuric Acid	Nickel	Trichloroacetic Acid
Cadmium	Lead	Pentachlorophenol	Zinc
Chromium	Magnesium	Phenol	

### Lyphocheck™ Whole Blood Control



- Assayed values for Red Cell Folate for common clinical methods
- Assayed values for Lead include AA, ASV, ICP-MS
- Human whole blood based
- 3 year shelf life at 2-8°C
- 2 day reconstituted stability at 2-8°C (Folate)
- 14 day reconstituted stability at 2-8°C (Lead)
- 30 day reconstituted stability at -10° to -20°C

#### Ordering Information

Catalog #	Description
561	Level 1 . . . . .6 x 2 mL
562	Level 2 . . . . .6 x 2 mL
563	Level 3 . . . . .6 x 2 mL
560X	Trilevel MiniPak (1 of each level) . . . . .3 x 2 mL

#### Analytes

Lead  
Red Cell Folate  
Serotonin\*

\*No claim is made for expected value or stability of this analyte.

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## qUAntify™ Advance Control



- Available in an easy-to-use plastic squeeze bottle
- Dipstick tests include Pregnancy and Microalbumin
- Human urine solution
- 18 month shelf life at 2-8°C
- 31 day open-vial stability at 2-25°C, including Ketones

### Ordering Information

Cat #	Description
12007028	Bilevel (3 of each level) . . . . . 6 x 12 mL
12007029	Bilevel MiniPak (1 of each level) . . . . . 2 x 12 mL

### Analytes

Albumin	Glucose	Microalbumin	Specific Gravity
Ascorbic Acid	hCG (Pregnancy)	Nitrite	Urobilinogen
Bilirubin	Hemoglobin (HGB)	pH	
Blood	Ketones	Protein (Total)	
Creatinine	Leukocytes	Protein-to-Creatinine Ratio	

## qUAntify™ Plus Control



- Choose from a conical 12 mL tube or 120 mL flip top squeeze bottle
- Both options can be used for urine dipstick and microscopic testing
- Liquid
- 2 year shelf life at 2-8°C
- 31 day open-vial stability at 2-25°C for most analytes

POCT methods listed

### Ordering Information

Catalog #	Description
995	Bilevel (5 of each level)/Tube . . . . . 10 x 12 mL
995X	Bilevel MiniPak (1 of each level)/Tube. . . . . 2 x 12 mL
962	Bilevel (2 of each level)/Bottle . . . . . 4 x 120 mL
963	Level 1/Bottle. . . . . 4 x 120 mL
964	Level 2/Bottle. . . . . 4 x 120 mL
962X	Bilevel MiniPak (1 of each level)/Bottle. . . . . 2 x 120 mL

### Analytes

Albumin	Glucose	Microscopics (RBC, WBC, Crystals, Casts)	Specific Gravity
Albumin-to-Creatinine Ratio	hCG (Pregnancy)	Nitrite	Urobilinogen
Ascorbic Acid*	Hemoglobin (HGB)	pH	*Tested and found to be negative.
Bilirubin	Ketones	Protein (Total)	
Blood	Leukocytes	Protein-to-Creatinine Ratio	
Creatinine	Microalbumin		

## Liquichek™ Urinalysis Control



- Ready-to-use urine control formulated to monitor the precision of dipstick and microscopic analyzers
- Available in 12 mL glass vials
- Liquid, human urine based
- 2.5 year shelf life at 2-8°C
- 30 day open-vial stability at 2-25°C

### Ordering Information

Catalog #	Description
435	Bilevel (6 of each level). . . . . 12 x 12 mL
436	Level 1 . . . . . 12 x 12 mL
437	Level 2 . . . . . 12 x 12 mL
435X	Bilevel MiniPak (1 of each level) . . . . . 2 x 12 mL

### Analytes

Bilirubin	Glucose	Microscopics (RBC, WBC, Crystals, Casts)	Protein (Total)
Blood	hCG (Pregnancy)	Nitrite	Protein-to-Creatinine Ratio
Clarity	Ketones	Osmolality	Specific Gravity
Color	Leukocytes	pH	Urobilinogen
Creatinine	Microalbumin		

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

### Dispenser Tips for Screw Caps



- For controls fitted with a screw cap closure
- Disposable plastic tips enable fluid delivery directly from glass vial
- Reduces risk of product contamination that may be introduced via pipetting
- Easy and convenient to use

#### Ordering Information

Catalog #	Description
987000	Dispenser Tips for Screw Caps . . . . . 100/Package

Validated for use with Liquichek Therapeutic Drug Monitoring Control (TDM) (catalog numbers 724-727 and 724X), Liquid Assayed Multiqual (catalog numbers 694-696 and 695X), Liquid Unassayed Multiqual (catalog numbers 697-699 and 698X) and Lyphocheck Immunology Plus Control (catalog numbers 430, 430X).

### Dispenser Tips for Crimp Seals



- For controls fitted with a metal crimp seal and stopper
- Plastic tips allow the glass vial to be used as a dropper bottle
- Easy and convenient to use

#### Ordering Information

Catalog #	Description
588	Dispenser Tips for Crimp Seals . . . . . 50/Package

Please use with caution; Cannabinoid Metabolites may bind to certain types of plastic and glass.

### Blood Gas Ampule Breaker



- Designed to reduce the risk of injury when opening blood gas ampules
- Easy and convenient to use
- Reusable

#### Ordering Information

Catalog #	Description
587	Blood Gas Ampule Breaker . . . . . 1 each

### Quality Control Tray

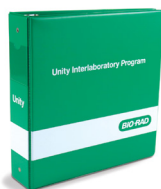


- 28-position durable acrylic tray to prepare or transport controls
- Accommodates up to 10 large and 18 standard sized control vials or dropper bottles
- Dimensions: 10" x 9.5" x 1.25" (25.4 cm x 24.1 cm x 3.2 cm)

#### Ordering Information

Catalog #	Description
12000846	Quality Control Tray . . . . . 1 unit

### Unity™ Binder



- Keep your Unity Interlaboratory Program reports organized and readily available
- 2 inch Capacity
- 3-Ring for Letter Size (8.5 x 11 inches)
- Monthly Tabs Provided

**To request a binder, please call your local Bio-Rad office**

# Control Analyte Index

See page number

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

	104	104	105	110	112	72	60	56	55	31	30	34	61	78	37	37	38	38	78	59	32	56	39	38	37	57	52	53	57	58	
	See Blood Gas Chart	See Cardiac Assessment Chart	See Hematology Chart	See Infectious Disease/Serology Chart	See IntelliQ Chart	Urine Toxicology (See Product Pages)	Allergen sIgE	AMH	Anemia	Assayed Chemistry	Assayed Multiquant (Liquid)	Assayed Multiquant Premium	Autoimmune	Benzo/TCA-Set B	Coagulation (Lyphocheck)	D-dimer	Diabetes (Liquichek)	Diabetes (Lyphocheck)	Drug Free Serum	Elevated CRP	Ethanol/Ammonia (Liquichek)	Fertility	Hemoglobin A1c Linearity Set	Hemoglobin A <sub>2</sub>	Hemostasis	Hypertension Markers	Immunoassay Plus (Liquichek)	Immunoassay Plus (Lyphocheck)	Immunoassay Premium	Immunology (Liquichek)	
3-Methoxytyramine																															
5-Aminolevulinic Acid (ALA)																															
5-HIAA																															
6-Monoacetylmorphine						■																									
11-Ketoethiocholanolone																															
11-Nor-Δ-9-THC-9-COOH						●																									
11-Ketoandrosterone																															
11-Deoxycortisol																											▲	●			
11-β-Hydroxy-Androsterone																															
11-β-Hydroxy-Etiocholanolone																															
17-α-Hydroxyprogesterone																												▲	●		
17-Hydroxycorticosteroids																															
17-Ketosteroids																															
25-Hydroxy Vitamin D						●																						▲	○	●	
α-1-Acid Glycoprotein						●						○																			●
α-1-Antitrypsin						○				○	○	○																			●
α-1-Globulin						○					○																				
α-2-Globulin						○					○																				
α-2-Macroglobulin																															●
αHBDH										□	□	□																			
β-2-Microglobulin						●						○																		●	●
β-Globulin						○																									
β-hCG						●																									
γ-Globulin						○					○																				
Acetaminophen						●				●	●	●								▶											●
Acetone																															
Acid Phosphatase (Total)						●				●	●	●																			
ACTH																											●		●		
Activated Partial Thromboplastin Time (APTT)															●											●					
ADH																											▲				
ADNase B																															●
ALA																															
Albumin						●				●	●	●																			●
Albumin (BCG)						●																									
Albumin (BCP)						●																									
Albumin-to-Creatinine Ratio																															
Albumin-to-Globulin Ratio						○																									
Alcohol (Ethanol)						●					●	●										●									
Alcohol (Isopropanol)																															
Alcohol (Methanol)																															
Aldolase																															
Aldosterone																											●	●	●		
Alkaline Phosphatase (ALP)						●				●	●	●																			
Alpha-Hydroxyalprazolam						●																									
Alpha-fetoprotein (AFP)						●				○													●					●	●	●	
Alprazolam														●									●								
ALT/SGPT						●				●	●	●																			
Aluminum																															
Amikacin						●					●	●																●	●	●	
Amiodarone																															
Amitriptyline																												▲	▲		
Ammonia						●																●						▲	●		

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number	
Immunology Plus (Lyphocheck)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qAnifty Advance	qAnifty Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty immunoassay (Liquichek)	Specialty immunoassay (Lyphocheck)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphocheck)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphocheck)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphocheck)	Unassayed Multiquel (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals		
										●																					3-Methoxytyramine	
										●																●					5-Aminolevulinic Acid (ALA)	
										●																					5-HIAA	
						●																									6-Monoacetylmorphine	
										▲																					11-Ketoetiocholanolone	
										▲																					11-Nor-Δ-9-THC-9-COOH	
										▲																					11-Ketoandrosterone	
										▲																					11-Deoxycortisol	
										▲																					11-β-Hydroxy-Androsterone	
										▲																					11-β-Hydroxy-Etiocholanolone	
										▲																					17-α-Hydroxyprogesterone	
										▲																					17-Hydroxycorticosteroids	
										▲																					17-Ketosteroids	
														●	●																25-Hydroxy Vitamin D	
●																															α-1-Acid Glycoprotein	
●																							○	○							α-1-Antitrypsin	
																	●														α-1-Globulin	
																	●														α-2-Globulin	
●																															α-2-Macroglobulin	
●																															αHBDH	
																																β-2-Microglobulin
																																β-Globulin
																																β-hCG
																																γ-Globulin
																																Acetaminophen
																																Acetone
																																Acid Phosphatase (Total)
																																ACTH
																																Activated Partial Thromboplastin Time (APTT)
																																ADH
																																ADNase B
																																ALA
●								●	●																							Albumin
																																Albumin (BCG)
																																Albumin (BCP)
									●																							Albumin-to-Creatinine Ratio
																																Albumin-to-Globulin Ratio
																																Alcohol (Ethanol)
																																Alcohol (Isopropanol)
																																Alcohol (Methanol)
																																Aldolase
										●																						Aldosterone
																																Alkaline Phosphatase (ALP)
																																Alpha-Hydroxyalprazolam
																																Alphafetoprotein (AFP)
																																Alprazolam
																																ALT/SGPT
																																Aluminum
																																Amikacin
																																Amiodarone
																																Amitriptyline
																																Ammonia

Refer to myInsersts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

# Control Analyte Index

See page number

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

	104	104	105	110	112	72	60	56	55	31	30	34	61	78	37	37	38	38	78	59	32	56	39	38	37	57	52	53	57	58	
	See Blood Gas Chart	See Cardiac Assessment Chart	See Hematology Chart	See Infectious Disease/Serology Chart	See IntelliQ Chart	Urine Toxicology (See Product Pages)	Allergen sigE	AMH	Anemia	Assayed Chemistry	Assayed Multiquial (Liquid)	Assayed Multiquial Premium	Autoimmune	Benzo/TCA-Set B	Coagulation (Lyphocheck)	D-dimer	Diabetes (Liquicheck)	Diabetes (Lyphocheck)	Drug Free Serum	Elevated CRP	Ethano/Ammonia (Liquicheck)	Fertility	Hemoglobin A1c Linearity Set	Hemoglobin A <sub>2</sub>	Hemostasis	Hypertension Markers	Immunoassay Plus (Liquicheck)	Immunoassay Plus (Lyphocheck)	Immunoassay Premium	Immunology (Liquicheck)	
Amobarbital						●																									
AMP (Cyclic)																															
Amphetamines						●														▶											
Amylase					●					●	●	●																			
Amylase (Alpha)										●	●																				
Amylase (Pancreatic)					●					●	●	●																			
ANA, Homogeneous Pattern													●																		
Androstenedione																											●	●			
Androsterone																															
Angiotensin I																											▲	○			
Anti-CCP												○																			●
Anti-Cytomegalovirus (CMV)				●																											
Anti-HAV				●																											
Anti-HBc				●																											
Anti-HBe				●																											
Anti-HBs				●																											
Anti-HCV				●																											
Anti-HIV-1				●																											
Anti-HIV-2				●																											
Anti-HTLV-I				●																											
Anti-HTLV-I/II				●																											
Anti-HTLV-II				●																											
Anti-Mitochondrial													●																		
Anti-Mullerian Hormone								●																							
Anti-nDNA													●																		
Anti-Smooth Muscle													●																		
Anti-Thyroglobulin (Anti-Tg)					●																							▲	▲		
Anti-Thyroperoxidase (Anti-TPO)					●																							▲	▲		
Anti-Treponema pallidum (Syphilis)				●																											
Antimony																															
Antistreptolysin O (ASO)					●							○																			●
Antithrombin III (AT III)															●											●					●
Apolipoprotein A-1					○					○	○	○																			●
Apolipoprotein B					○					○	○	○																			●
Arsenic																															
Ascorbic Acid																															
AST/SGOT					●					●	●	●																			
Autoimmune Negative													●																		
Barbiturates						●																									
Basophils (BASO)			●																												
Benzodiazepines						●																									
Benzoylcegonine (Cocaine Metabolite)						●																									
Bile Acids													●																		
Bilirubin																															
Bilirubin (Direct)					●					●	●	●																			
Bilirubin (Indirect)										●																					
Bilirubin (Neonatal)					●					●	●	●																			
Bilirubin (Total)					●					●	●	●																			
Blood																															
BNP		●			●																										
Borrelia burgdorferi IgG				●																											
Buprenorphine																															

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number			
Immunology Plus (Lyphocheck)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qQuantify Advance	qQuantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Lyphocheck)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphocheck)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphocheck)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphocheck)	Unassayed Multiqua (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals				
										▲											●	●			●						Amobarbital			
																																AMP (Cyclic)		
																						●	●									Amphetamines		
																						●	●			●						Amylase		
																						●	●									Amylase (Alpha)		
																						●	●									Amylase (Pancreatic)		
																																	ANA, Homogeneous Pattern	
																																	Androstenedione	
										▲																							Androsterone	
																																	Angiotensin I	
																																	Anti-CCP	
																																	Anti-Cytomegalovirus (CMV)	
																																	Anti-HAV	
																																	Anti-HBc	
																																	Anti-HBe	
																																	Anti-HBs	
																																	Anti-HCV	
																																	Anti-HIV-1	
																																	Anti-HIV-2	
																																	Anti-HTLV-I	
																																	Anti-HTLV-I/II	
																																	Anti-HTLV-II	
																																	Anti-Mitochondrial	
																																	Anti-Mullerian Hormone	
																																	Anti-nDNA	
																					●												Anti-Smooth Muscle	
																					●												Anti-Thyroglobulin (Anti-Tg)	
																					●												Anti-Thyroxine (Anti-TPO)	
																																	Anti- <i>Treponema pallidum</i> (Syphilis)	
																											●						Antimony	
●																																	Antistreptolysin O (ASO)	
																																	Antithrombin III (AT III)	
	○																						○	○									Apolipoprotein A-1	
	○																						○	○									Apolipoprotein B	
										●	▶																●						●	Arsenic
																																		Ascorbic Acid
																																		AST/SGOT
																																		Autoimmune Negative
																																		Barbiturates
																																		Basophils (BASO)
																																		Benzodiazepines
																																		Benzoylcegonine (Cocaine Metabolite)
																																		Bile Acids
																																		Bilirubin
																																		Bilirubin (Direct)
																																		Bilirubin (Indirect)
																																		Bilirubin (Neonatal)
																																		Bilirubin (Total)
																																		Blood
																																		BNP
																																		<i>Borrelia burgdorferi</i> IgG
																																		Buprenorphine

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

# Control Analyte Index

See page number

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

	104	104	105	110	112	72	60	56	55	31	30	34	61	78	37	37	38	38	78	59	32	56	39	38	37	57	52	53	57	58
	See Blood Gas Chart	See Cardiac Assessment Chart	See Hematology Chart	See Infectious Disease/Serology Chart	See IntelliQ Chart	Urine Toxicology (See Product Pages)	Allergen sigE	AMH	Anemia	Assayed Chemistry	Assayed Multiquant (Liquid)	Assayed Multiquant Premium	Autoimmune	Benzo/TCA-Set B	Coagulation (Lyphocheck)	D-dimer	Diabetes (Liquichek)	Diabetes (Lyphocheck)	Drug Free Serum	Elevated CRP	Ethanol/Ammonia (Liquichek)	Fertility	Hemoglobin A1c Linearity Set	Hemoglobin A <sub>2</sub>	Hemostasis	Hypertension Markers	Immunoassay Plus (Liquichek)	Immunoassay Plus (Lyphocheck)	Immunoassay Premium	Immunology (Liquichek)
Butalbital						●																								
C-Peptide					●																							●		
C1 Inhibitor																														●
CA 15-3					●																									●
CA 19-9					●																									●
CA 27.29					●																									●
CA 50*																														
CA 72-4*					●																									
CA 125					●																									●
Cadmium																														
Caffeine												●								▶								●	●	●
Calcitonin																												●		
Calcium					●					●	●	●																●		
Calcium (CPC)					●																									
Calcium (Ionized)	●				●					○	●	●																		
Cannabinoid Metabolite						●																								
Cannabinoids						●														▶										
Carbamazepine					●					●	●	●								▶								●	●	●
Carbamazepine (Free)																												▲	▲	
CASA*																														
Casts																														
CEA						●				○																		●	●	●
Cellular Hemoglobin Concentration Mean (CHCM)				●																										
Cellular Hemoglobin Concentration Mean of Gated Red Blood Cells (CHCMg)				●																										
Cellular Hemoglobin Concentration Mean of Reticulocytes (CHCMr)				●																										
Ceruloplasmin					○					○	○	○																		●
<i>Chlamydia trachomatis</i>				●																										
<i>Chlamydia trachomatis</i> IgG				●																										
Chloramphenicol																				▶								▲	●	
Chlordiazepoxide																				▶										
Chloride	●				●					●	●	●																		
Cholesterol (HDL)					●					●	●	●																		
Cholesterol (LDL)					●					●	●	●																		
Cholesterol (Total)					●					●	●	●																		
Cholinesterase					○					○	○	○																		
Chromium																														
Cimetidine																				▶										
CK (Total)		●			●																									
CK-MB Isoenzyme		●			●						▲																	●		
Clarity																														
Clomipramine														●						▶										
Clonazepam																				▶										
<i>Clostridium difficile</i> (C diff.)				●																										
CO <sub>2</sub>					●					●	●	●																		
Cobalt																														
Cocaine						●															▶									
Cocaine Metabolite						●																								
Codeine						●														▶										
Color																														
Complement C1q																														

\*International use only.

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number			
Immunology Plus (Lyphocheck)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qQuantify Advance	qQuantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty immunoassay (Liquichek)	Specialty immunoassay (Lyphocheck)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphocheck)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphocheck)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphocheck)	Unassayed Multiqua (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyph.)	Whole Blood Metals				
														●																	Butalbital			
																															C-Peptide			
																				●	●										C1 Inhibitor			
																			●	●											CA 15-3			
																			●	●											CA 19-9			
																			●	●											CA 27.29			
																			●	●											CA 50*			
																			●	●											CA 72-4*			
																			●	●											CA 125			
							●										●	●								●					●	Cadmium		
																				●												Caffeine		
										●																						Calcitonin		
											●											●	●	●		●					Calcium			
																																Calcium (CPC)		
																							▲	○	●						Calcium (Ionized)			
																																Cannabinoid Metabolite		
																																Cannabinoids		
																	●	●				●	●	●								Carbamazepine		
																	●	●														Carbamazepine (Free)		
																				▲												CASA*		
								●																	●							Casts		
																			●	●				○								CEA		
																																Cellular Hemoglobin Concentration Mean (CHCM)		
																																Cellular Hemoglobin Concentration Mean of Gated Red Blood Cells (CHCMg)		
																																Cellular Hemoglobin Concentration Mean of Reticulocytes (CHCMr)		
●																							○	○								Ceruloplasmin		
																																	<i>Chlamydia trachomatis</i>	
																																	<i>Chlamydia trachomatis</i> IgG	
																	●	●															Chloramphenicol	
																																	Chlordiazepoxide	
							●			●						●						●	●	●		●							Chloride	
●	●																					▲	●	●									Cholesterol (HDL)	
●	●																					●	●	●									Cholesterol (LDL)	
●																						●	●	●									Cholesterol (Total)	
																							○	○									Cholinesterase	
																										●								Chromium
																																		Cimetidine
																																		CK (Total)
																																		CK-MB Isoenzyme
																																		Clarity
																																		Clomipramine
																																		Clonazepam
																																		<i>Clostridium difficile (C diff)</i>
																						●	●	●										CO <sub>2</sub>
																											●							Cobalt
																																		Cocaine
																																		Cocaine Metabolite
																																		Codeine
																																		Color
▲																																		Complement C1q

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ◆ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

\*International use only.  
Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

# Control Analyte Index

See page number

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

	104	104	105	110	112	72	60	56	55	31	30	34	61	78	37	37	38	38	78	59	32	56	39	38	37	57	52	53	57	58	
	See Blood Gas Chart	See Cardiac Assessment Chart	See Hematology Chart	See Infectious Disease/Serology Chart	See IntelliQ Chart	Urine Toxicology (See Product Pages)	Allergen sigE	AMH	Anemia	Assayed Chemistry	Assayed Multiqual (Liquid)	Assayed Multiqual Premium	Autoimmune	Benzo/TCA-Set B	Coagulation (Lyphocheck)	D-dimer	Diabetes (Liquichek)	Diabetes (Lyphocheck)	Drug Free Serum	Elevated CRP	Ethanol/Ammonia (Liquichek)	Fertility	Hemoglobin A1c Linearity Set	Hemoglobin A <sub>2</sub>	Hemostasis	Hypertension Markers	Immunoassay Plus (Liquichek)	Immunoassay Plus (Lyphocheck)	Immunoassay Premium	Immunology (Liquichek)	
Complement C3					○					○	○																			●	
Complement C4					○					□	○	○																		●	
Copper					○					○	○	○																			
Coproporphyrin																															
Cortisol					●					●	●	●														●	●	●	●		
Creatine Kinase (CK)					●					●	●	●														●	●	●	●		
Creatinine					●	◆				●	●	●																			
CRP		●			●							●									●									●	
Crystals																															
Cyclosporine																				▶							▲	▲			
Cyfra 21-1*					●																								●		
Cystatin C					○							○																		○	
Cystine																															
Cytomegalovirus (CMV) IgG				●																											
Cytomegalovirus (CMV) IgM				●																											
D1 House Dust Mite ( <i>D. pteronyssinus</i> )							●																								
D2 House Dust Mite ( <i>D. farinae</i> )							●																								
d-Amphetamine					●																										
D-dimer																●															
d-Methamphetamine					●																										
Dehydroepiandrosterone (DHEA)																											▲	▲			
Desalkylflurazepam																				▶											
Desipramine																				▶								▲	▲		
Desmethyldoxepin																				▶											
DHEA Sulfate					●																							●	●	●	
Diazepam																				▶											
Digitoxin		●			●															▶			●								
Digoxin					●					●	●	●								▶								●	●	●	
Disopyramide												●								▲								▲	●	●	
Dopamine																															
Doxepin																					▶										
E1 Cat Dander ( <i>Felis domesticus</i> )							●																								
E3 Horse Dander ( <i>Equus caballus</i> )							●																								
E5 Dog Dander ( <i>Canis familiaris</i> )							●																								
EBNA IgG				●																											
EBV EA-D IgG				●																											
Ecstasy (MDMA)					●																										
EDDP (Methadone Metabolite)						■																									
Eosinophils (EOS)			●																												
Epinephrine																															
Epstein-Barr Virus (VCA) IgG				●																											
Epstein-Barr Virus (VCA) IgM				●																											
Erythrocyte Sedimentation Rate (ESR)			●																												
Erythropoietin (EPO)					●																										
Estradiol					●																		●					●	●	●	
Estriol (Free)																												●	●	●	
Estriol (Total)																												▲	▲		
Estrogen (Total)																												▲	●		
Ethanol					●	●					●	●										●									
Ethosuximide																				▶								●	●	●	

\*International use only.

Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number
Immunology Plus (Lyphocheck)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qUantify Advance	qUantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty immunoassay (Liquichek)	Specialty immunoassay (Lyphocheck)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphocheck)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphocheck)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphocheck)	Unassayed Multiqua (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals	
●																						○	○							Complement C3	
●																						□	○							Complement C4	
										▲												○	○			●				Copper	
										●																				Coproporphyrin	
										●							●	●				●	●	●		●				Cortisol	
					●			●	●	●												●	●	●	●	●				Creatine Kinase (CK)	
●	●									●												●	●	●	●	●				Creatinine	
									●																					CRP	
																									●					Crystals	
																	▲	●									●	●		Cyclosporine	
																			●	●										Cyfra 21-1*	
																														Cystatin C	
										▲																				Cystine	
																														Cytomegalovirus (CMV) IgG	
																														Cytomegalovirus (CMV) IgM	
																														D1 House Dust Mite ( <i>D. pteronyssinus</i> )	
																														D2 House Dust Mite ( <i>D. farinae</i> )	
																														d-Amphetamine	
																														D-dimer	
																														d-Methamphetamine	
										▲																				Dehydroepiandrosterone (DHEA)	
																														Desalkylflurazepam	
																		●	●											Desipramine	
																														Desmethyllohexin	
																		●												DHEA Sulfate	
																														Diazepam	
																														Digitoxin	
																														Digoxin	
																														Disopyramide	
										●																				Dopamine	
																														Doxepin	
																														E1 Cat Dander ( <i>Felis domesticus</i> )	
																														E3 Horse Dander ( <i>Equus caballus</i> )	
																														E5 Dog Dander ( <i>Canis familiaris</i> )	
																														EBNA IgG	
																														EBV EA-D IgG	
																														Ecstasy (MDMA)	
																														EDDP (Methadone Metabolite)	
																														Eosinophils (EOS)	
										●																				Epinephrine	
																														Epstein-Barr Virus (VCA) IgG	
																														Epstein-Barr Virus (VCA) IgM	
																														Erythrocyte Sedimentation Rate (ESR)	
														●	●															Erythropoietin (EPO)	
																														Estradiol	
																														Estradiol (Free)	
										▲									▲	▲										Estradiol (Total)	
																														Estrogen (Total)	
													●																	Ethanol	
																														Ethosuximide	

\*International use only.  
Refer to myInSerts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

See page number

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

	104	104	105	110	112	72	60	56	55	31	30	34	61	78	37	37	38	38	78	59	32	56	39	38	37	57	52	53	57	58	
	See Blood Gas Chart	See Cardiac Assessment Chart	See Hematology Chart	See Infectious Disease/Serology Chart	See IntelliQ Chart	Urine Toxicology (See Product Pages)	Allergen sigE	AMH	Anemia	Assayed Chemistry	Assayed Multiquant (Liquid)	Assayed Multiquant Premium	Autoimmune	Benzo/TCA-Set B	Coagulation (Lyphocheck)	D-dimer	Diabetes (Liquichek)	Diabetes (Lyphocheck)	Drug Free Serum	Elevated CRP	Ethano/Ammonia (Liquichek)	Fertility	Hemoglobin A1c Linearity Set	Hemoglobin A <sub>2</sub>	Hemostasis	Hypertension Markers	Immunoassay Plus (Liquichek)	Immunoassay Plus (Lyphocheck)	Immunoassay Premium	Immunology (Liquichek)	
Ethylene Glycol																															
Etiocolanolone																															
Everolimus																															
F1 Egg White ( <i>Gallus spp.</i> )							●																								
F2 Cow Milk ( <i>Bos. spp.</i> )							●																								
F13 Peanut ( <i>Arachis hypogaea</i> )							●																								
Factors II, V, VII, VIII, IX, X, XI and XII																									●						
Fentanyl																															
Ferritin					○			●		○	○												●					●	●	●	●
Fibrinogen															●										●						
Flecainide																			▶								▲	▲			
Fluoride																															
Folate					●			●																				●	●	●	
Folate (RBC)																															
Fructosamine																											□	□			
FSH					●																		●					●	●	●	
G2 Bermuda Grass ( <i>Cynodon dactylon</i> )							●																								
G3 Cocksfoot/Orchard Grass ( <i>Dactylis glomerata</i> )							●																								
G6 Timothy Grass ( <i>Phleum pratense</i> )							●																								
Gastrin																													●		
Galectin-3		●		●																											
Gentamicin				●					●	●	●								▶								●	●	●		
GGT				●					●	●	●																				
GLDH*									○		●																				
Globulin									○	○	□																				
Glucagon																												▲			
Glucose	●									●	●	●																			
Glucose (Hexokinase)					●																										
Glutethimide						■														▶											
Granulocytes (GRAN)			●																												
Haloperidol																				▶											
Haptoglobin					○				○	○	○																				●
HAV-IgM				●																											
HBC-IgM				●																											
HBeAg				●																											
HBSAg				●																											
hCG					●																		●					●	●		
hCG (Intact)					●																										
hCG (Pregnancy)																															
hCG (Total)					●																										
hCG-β Subunit										○													●					●	●	●	
hCG-β Subunit (Free)																															
HDL Cholesterol										●	●	●																			
HE4 (Human Epididymis Protein 4)					●																										
<i>Helicobacter pylori</i> IgG				●																											
Hematocrit (HCT)			●																												
Hemoglobin (HGB)			●																												
Hemoglobin (Total)																		●													
Hemoglobin (Total Glycated)																		▲													
Hemoglobin A1																		▲													

\*International use only.

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number	
Immunology Plus (Lyphocheck)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qUAntify Advance	qUAntify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Lyphocheck)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphocheck)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphocheck)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphocheck)	Unassayed Multiqua (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyph.)	Whole Blood Metals		
										▲			●																		Ethylene Glycol	
																															Etiocholanolone	
																												●			Everolimus	
																															F1 Egg White ( <i>Gallus spp.</i> )	
																															F2 Cow Milk ( <i>Bos. spp.</i> )	
																															F13 Peanut ( <i>Arachis hypogaea</i> )	
																															Factors II, V, VII, VIII, IX, X, XI and XII	
						●																									Fentanyl	
																			●	●			○								Ferritin	
																	▲	▲													Fibrinogen	
																															Flecainide	
																										●					Fluoride	
																															Folate	
																											●				Folate (RBC)	
																															Fructosamine	
																															FSH	
																															G2 Bermuda Grass ( <i>Cynodon dactylon</i> )	
																															G3 Cockfoot/Orchard Grass ( <i>Dactylis glomerata</i> )	
																															G6 Timothy Grass ( <i>Phleum pratense</i> )	
																															Gastrin	
																		●	●			●	●	●							Galectin-3	
																						●	●	●							Gentamicin	
																						●	●	●							GGT	
																						▲	○								GLDH*	
																	●					○	○	○							Globulin	
																																Glucagon
					●			●	●	●							●				●	●	●	●	●						Glucose	
																																Glucose (Hexokinase)
																																Glutethimide
																																Granulocytes (GRAN)
																			▲	▲												Haloperidol
●																							○	○								Haptoglobin
																																HAV-IgM
																																HBC-IgM
																																HBeAg
		●	●					●	●	●										●	●				●	●					HBSAg	
																																hCG
																																hCG (Intact)
																																hCG (Pregnancy)
																																hCG (Total)
																																hCG-β Subunit
		●																														hCG-β Subunit (Free)
	●																															HDL Cholesterol
																			●													HE4 (Human Epididymis Protein 4)
																																<i>Helicobacter pylori</i> IgG
					●																											Hematocrit (HCT)
								●	●																							Hemoglobin (HGB)
					●																											Hemoglobin (Total)
																																Hemoglobin (Total Glycated)
																																Hemoglobin A1

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ◆ Tested and found to be negative
- ♦ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

\*International use only.  
Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

# Control Analyte Index

See page number

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

	104	104	105	110	112	72	60	56	55	31	30	34	61	78	37	37	38	38	78	59	32	56	39	38	37	57	52	53	57	58		
	See Blood Gas Chart	See Cardiac Assessment Chart	See Hematology Chart	See Infectious Disease/Serology Chart	See IntelliQ Chart	Urine Toxicology (See Product Pages)	Allergen sigE	AMH	Anemia	Assayed Chemistry	Assayed Multiquant (Liquid)	Assayed Multiquant Premium	Autoimmune	Benzo/TCA-Set B	Coagulation (Lyphocheck)	D-dimer	Diabetes (Liquichek)	Diabetes (Lyphocheck)	Drug Free Serum	Elevated CRP	Ethanol/Ammonia (Liquichek)	Fertility	Hemoglobin A1C Linearity Set	Hemoglobin A <sub>2</sub>	Hemostasis	Hypertension Markers	Immunoassay Plus (Liquichek)	Immunoassay Plus (Lyphocheck)	Immunoassay Premium	Immunology (Liquichek)		
Hemoglobin A1C																	●	●					●									
Hemoglobin A <sub>2</sub>																								●								
Hemoglobin Concentration Distribution Width (HDW)			●																													
Hemoglobin F																			●					●								
Hemoglobin S																								●								
Hepatitis B Virus (HBV)				●																												
Hepatitis C Virus (HCV)				●																												
HER2/neu					●																											
Heroin Metabolite						●																										
Herpes Simplex Virus Type 1 (HSV-1) IgG				●																												
Herpes Simplex Virus Type 1 (HSV-1) IgM				●																												
Herpes Simplex Virus Type 2 (HSV-2) IgG				●																												
Herpes Simplex Virus Type 2 (HSV-2) IgM				●																												
hGH																											●	●	●			
Hippuric Acid																																
HIV-1 Ag				●																												
Homocysteine		●			●																											
Homogenous Pattern												●																				
hs-CRP		●																														
Human Immunodeficiency Virus Type 1 (HIV-1)				●																												
Human Papillomavirus (HPV)				●																												
HVA																																
Hydromorphone																				▶												
Hydroxyproline (Free)																																
Hydroxyproline (Total)																																
Ibuprofen																				▶							●					
Imipramine						●														▶								▲	●			
Immature Reticulocyte Fraction (IRF)			●																													
Immunoglobulin A (IgA)				○						○	○	○																○	○	○	●	
Immunoglobulin E (IgE)				●																								●	●	●	●	
Immunoglobulin G (IgG)				○						○	○	○																○	○	○	●	
Immunoglobulin G Subclasses 1-4																															●	
Immunoglobulin M (IgM)				○						○	○	○																○	○	○	●	
Immunoreactive Trypsinogen (IRT)																														▲		
Inhibin A																																
Insulin				●						●	●	●																●	●	●		
Insulin Growth Factor I (IGF-I)				●																							▲	○				
Intact PTH				●																												
Iron				●					●	●	●	●																○	○			
Iron (TIBC)				○					●	○	○	○																▲	○			
Iron (UIBC)				○					●	○	○	○																				
IRT																														▲		
Isopropanol (Isopropyl Alcohol)																																
Kappa Light Chain				●								○																			●	
Ketones																																
Lactate (Lactic Acid)	●			●						●	●	●																				
Lactate Dehydrogenase (LDH)				●						●	●	●																				
Lambda Light Chain				●								○																			●	
LAP Arylamidase				●						○	○	□																				
Large Unstained Cells (LUC)			●																													
LDH (Total)																																
LDL Cholesterol										●	●	●																				

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.





See page number

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

	104	104	105	110	112	72	60	56	55	31	30	34	61	78	37	37	38	38	78	59	32	56	39	38	37	57	52	53	57	58
	See Blood Gas Chart	See Cardiac Assessment Chart	See Hematology Chart	See Infectious Disease/Serology Chart	See IntelliQ Chart	Urine Toxicology (See Product Pages)	Allergen sigE	AMH	Anemia	Assayed Chemistry	Assayed Multiquant (Liquid)	Assayed Multiquant Premium	Autoimmune	Benzo/TCA-Set B	Coagulation (Lyphocheck)	D-dimer	Diabetes (Liquicheck)	Diabetes (Lyphocheck)	Drug Free Serum	Elevated CRP	Ethanol/Ammonia (Liquicheck)	Fertility	Hemoglobin A1c Linearity Set	Hemoglobin A <sub>2</sub>	Hemostasis	Hypertension Markers	Immunoassay Plus (Liquicheck)	Immunoassay Plus (Lyphocheck)	Immunoassay Premium	Immunology (Liquicheck)
Lead																														
Leukocytes			●																											
Lidocaine												●							▶								●	●	●	
Lipase					●					●	●	●																		
Lipoprotein (a)					●																									
Lithium	●				●					●	●	●							▶								●	●	●	
Lormetazepam						●																								
LSD						●																								
Luteinizing Hormone (LH)					●																	●					●	●	●	
LYMPH (W-SCC & W-SCR)			●																											
Lymphocytes (LYMPH)			●																											
Lysergic Acid Diethylamide (LSD)						●																								
M3 Mold ( <i>Aspergillus fumigatus</i> )							●																							
M6 Mold ( <i>Alternaria tenuis</i> )							●																							
Magnesium	●				●					●	●	●																		
Mandelic Acid																														
Manganese																														
Marijuana Metabolite						●																								
MDA						●																								
MDEA						●																								
MDMA						●																								
Mean Corpuscular Hemoglobin (MCH)			●																											
Mean Corpuscular Hemoglobin Concentration (MCHC)			●																											
Mean Corpuscular Volume (MCV)			●																											
Mean Corpuscular Volume of Gated Red Blood Cells (MVCg)			●																											
Mean Corpuscular Volume of Reticulocytes (MCVr)			●																											
Mean Hemoglobin Content of All Gated Red Cells (CHg)			●																											
Mean Hemoglobin Content of Reticulocytes (CHR)			●																											
Mean Platelet Volume (MPV)			●																											
Meperidine*																			▶											
Mercury																														
Metanephrine																														
Metanephrine (Total)																														
Methodone						●													▶											
Methodone Metabolite (EDDP)						■																								
Methamphetamine						●													▶											
Methanol (Methyl Alcohol)																														
Methaqualone						●													▶											
Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA)				●																										
Methicillin Sensitive <i>Staphylococcus aureus</i> (MSSA)				●																										
Methotrexate											●								▶											
Methypylon																			▶											
Microalbumin					●																									
Microscopics (RBC, WBC, Crystals, Casts)			●																											
MID			●																											
Mitochondrial												●																		
Mixed Cell Percent (MXD)			●																											
Monocytes (MONO)			●																											
Morphine						●													▶											
Morphine (Free)						●																								

\*International use only.

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number							
Immunology Plus (Lyphocheck)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qUantify Advance	qUantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Lyphocheck)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphocheck)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphocheck)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphocheck)	Unassayed Multiqua (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyph.)	Whole Blood Metals								
								●	●	●																					●	Lead						
																																	○	Leukocytes				
																																		○	Lidocaine			
																																			○	Lipase		
																																			○	Lipoprotein (a)		
																																				○	Lithium	
																																					○	Lormetazepam
																																					○	Luteinizing Hormone (LH)
																																					○	LSD
																																					○	LYMPH (W-SCC & W-SCR)
																																					○	Lymphocytes (LYMPH)
																																					○	Lysergic Acid Diethylamide (LSD)
																																					○	M3 Mold ( <i>Aspergillus fumigatus</i> )
																																					○	M6 Mold ( <i>Alternaria tenuis</i> )
																																					○	Magnesium
																																					○	Mandelic Acid
																																					○	Manganese
																																					○	Marijuana Metabolite
																																					○	MDA
																																					○	MDEA
																																					○	MDMA
																																					○	Mean Corpuscular Hemoglobin (MCH)
																																					○	Mean Corpuscular Hemoglobin Concentration (MCHC)
																																					○	Mean Corpuscular Volume (MCV)
																																					○	Mean Corpuscular Volume of Gated Red Blood Cells (MVG)
																																					○	Mean Corpuscular Volume of Reticulocytes (MCVr)
																																					○	Mean Hemoglobin Content of All Gated Red Cells (CHg)
																																					○	Mean Hemoglobin Content of Reticulocytes (CHr)
																																					○	Mean Platelet Volume (MPV)
																																					○	Meperidine*
																																					○	Mercury
																																					○	Metanephrine
																																					○	Metanephrine (Total)
																																					○	Methadone
																																					○	Methadone Metabolite (EDDP)
																																					○	Methamphetamine
																																					○	Methanol (Methyl Alcohol)
																																					○	Methaqualone
																																					○	Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA)
																																					○	Methicillin Sensitive <i>Staphylococcus aureus</i> (MSSA)
																																					○	Methotrexate
																																					○	Methypylon
																																					○	Microalbumin
																																					○	Microscopics (RBC, WBC, Crystals, Casts)
																																					○	MID
																																					○	Mitochondrial
																																					○	Mixed Cell Percent (MXD)
																																					○	Monocytes (MONO)
																																					○	Morphine
																																					○	Morphine (Free)

\*International use only.  
Refer to myInSerts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

# Control Analyte Index

See page number

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

	104	104	105	110	112	72	60	56	55	31	30	34	61	78	37	37	38	38	78	59	32	56	39	38	37	57	52	53	57	58			
	See Blood Gas Chart	See Cardiac Assessment Chart	See Hematology Chart	See Infectious Disease/Serology Chart	See IntelliQ Chart	Urine Toxicology (See Product Pages)	Allergen sigE	AMH	Anemia	Assayed Chemistry	Assayed Multiqual (Liquid)	Assayed Multiqual Premium	Autoimmune	Benzo/TCA-Set B	Coagulation (Lyphocheck)	D-dimer	Diabetes (Liquicheck)	Diabetes (Lyphocheck)	Drug Free Serum	Elevated CRP	Ethanol/Ammonia (Liquicheck)	Fertility	Hemoglobin A1c Linearity Set	Hemoglobin A <sub>2</sub>	Hemostasis	Hypertension Markers	Immunoassay Plus (Liquicheck)	Immunoassay Plus (Lyphocheck)	Immunoassay Premium	Immunology (Liquicheck)			
Morphine-3-β-d-Glucuronide						●																											
Mumps Virus IgG				●																													
MXD (W-MCC & W-MCR)			●																														
Mycoplasma pneumoniae IgG				●																													
Mycoplasma pneumoniae IgM				●																													
Myoglobin		●			●																												
N-Acetyl Procainamide (NAPA)												●								▶								●	●	●			
nDNA													●																				
Neisseria gonorrhoeae (NG or GC)				●																													
Netilmicin																												▲	▲				
Neuron Specific Enolase (NSE)*																																	
NEUT (W-LCC & W-LCR)			●																														
NEUT X			●																														
NEUT Y			●																														
Neutrophils (NEUT)			●																														
Nickel																																	
Nicotine																																	
Nitrite																																	
Non-treponemal Antibodies (Syphilitic Reagin)				●																													
Norclomipramine															●																		
Nordiazepam						●																											
Nordoxepin																																	
Norepinephrine																																	
Normetanephrine																																	
Norpropoxyphene						●																											
Nortriptyline						●																											
NT-proBNP		●			●																												
Nucleated Red Blood Cells (NRBC)		●		●																													
Nucleated Red Blood Cells/100 WBC (NRBC/WBC%)			●																														
Oligoclonal Banding (IgG)																																	
Opiates						●																											
Osmolality					●					○	●	●																					
Osteocalcin					●																												
Oxazepam						●																											
Oxycodone						●																											
PAP					●					●	▲																						
PAPP-A																																	
pCO <sub>2</sub>	●																																
PCT			✖																														
PDW			✖																														
Pentachlorophenol																																	
Pentobarbital						●																											
pH	●					◆																											
Phencyclidine (PCP)						●																											
Phenobarbital					●	●				●	●	●																					
Phenol										●	●	●																					
Phenothiazines																																	
Phenylalanine																																	
Phenylglyoxylic Acid																																	
Phenytoin					●					●	●	●																					

\*International use only.

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number					
Immunology Plus (Lyphocheck)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qQuantify Advance	qQuantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Lyphocheck)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphocheck)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphocheck)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphocheck)	Unassayed Multiqua (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals						
																																Morphine-3-β-d-Glucuronide				
																																	Mumps Virus IgG			
																																	MXD			
																																	<i>Mycoplasma pneumoniae</i> IgG			
																																	<i>Mycoplasma pneumoniae</i> IgM			
																																		Myoglobin		
																		●	●															N-Acetyl Procainamide (NAPA)		
																																		nDNA		
																																		<i>Neisseria gonorrhoeae</i> (NG or GC)		
																																		Netilmicin		
																																			Neuron Specific Enolase (NSE)*	
																																			NEUT (W-LCC & W-LCR)	
																																			NEUT X	
																																			NEUT Y	
								●	●																										Neutrophils (NEUT)	
																																			Nickel	
																																				Nicotine
																																				Nitrite
																																				Non-treponemal Antibodies (Syphilitic Reagin)
																																				Norclomipramine
																																				Nordiazepam
																																				Nordoxepin
																																				Norepinephrine
																																				Normetanephrine
																																				Norpropoxyphene
																																				Nortriptyline
																																				NT-proBNP
																																				Nucleated Red Blood Cells (NRBC)
																																				Nucleated Red Blood Cells/100 WBC (NRBC/WBC%)
																																				Oligoclonal Banding (IgG)
																																				Opiates
																																				Osmolality
																																				Osteocalcin
																																				Oxazepam
																																				Oxycodone
																																				PAP
																																				PAPP-A
																																				pCO <sub>2</sub>
																																				PCT
																																				PDW
																																				Pentachlorophenol
																																				Pentobarbital
																																				pH
																																				Phencyclidine (PCP)
																																				Phenobarbital
																																				Phenol
																																				Phenothiazines
																																				Phenylalanine
																																				Phenylglyoxylic Acid
																																				Phenytion

\*International use only.  
Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

# Control Analyte Index

See page number

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

	104	104	105	110	112	72	60	56	55	31	30	34	61	78	37	37	38	38	78	59	32	56	39	38	37	57	52	53	57	58
	See Blood Gas Chart	See Cardiac Assessment Chart	See Hematology Chart	See Infectious Disease/Serology Chart	See IntelliQ Chart	Urine Toxicology (See Product Pages)	Allergen sigE	AMH	Anemia	Assayed Chemistry	Assayed Multiquant (Liquid)	Assayed Multiquant Premium	Autoimmune	Benzo/TCA-Set B	Coagulation (Lyphocheck)	D-dimer	Diabetes (Liquichek)	Diabetes (Lyphocheck)	Drug Free Serum	Elevated CRP	Ethanol/Ammonia (Liquichek)	Fertility	Hemoglobin A1c Linearity Set	Hemoglobin A <sub>2</sub>	Hemostasis	Hypertension Markers	Immunoassay Plus (Liquichek)	Immunoassay Plus (Lyphocheck)	Immunoassay Premium	Immunology (Liquichek)
Phenytoin (Free)																														
Phospholipids					●						●	●																		
Phosphorus					●					●	●	●																		
Plasminogen																									●					
Platelecrit (PCT)			●																											
Platelet Distribution Width (PDW)			✖																											
Platelet Volume Distribution Width (PDW)			✖																											
Platelets (PLT)			●																											
Platelets Impedance Method (PLTi)			●																											
Platelets, Optical Count (PLTo)			●																											
pO <sub>2</sub>	●																													
Porphyrins (Total)																														
Potassium	●				●					●	●	●																		
Prealbumin					○				○		○	○																		●
Pregnancy/hCG (Qualitative)																														
Pregnenetriol																														
Primidone																				▶								●	●	●
Procainamide												●								▶								●	●	●
Procalcitonin																														
Progesterone					●																		●					●	●	●
ProGRP*					●																							●	●	●
Prolactin					●																							●	●	●
Properdin Factor B																														●
Propoxyphene						●														▶										
Propranolol																				▶								●	▲	
Prostatic Acid Phosphatase (PAP)										●	■																	●	●	●
Protein (Total)																														
Protein (Total Urine)					●																									
Protein C (Functional)																									●					
Protein Electrophoresis																														
Protein S (Functional)																									●					
Protein Serum (Total)					●					●	●	●																		●
Protein-to-Creatinine Ratio																														
Prothrombin Time (PT)															●										●					
PSA (Free)					●																							●	●	●
PSA (Total)					●																							●	●	●
Pseudocholesterase											□																			
PTH (Intact)																													▲	
PTH-MM																												▲		
Pyrimilamine																				▶										
Quinidine												●								▶								●	▲	●
Quinine																				▶										
RDW-SD			●																											
Red Blood Cells (RBC)			●																											
Red Blood Cells, Optical (RBCo)			●																											
Red Cell Distribution Width (RDW)			●																											
Red Cell Distribution Width-CV (RDW-CV)			●																											
Red Cell Distribution Width-SD (RDW-SD)			●																											
Red Cell Folate																														
Renin																										●				

\*International use only.

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number		
Immunology Plus (Lyphocheck)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qQuantify Advance	qQuantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Lyphocheck)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphocheck)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphocheck)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphocheck)	Unassayed Multiquant (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals			
																																Phenytoin (Free)	
																																	Phospholipids
																																	Phosphorus
																																	Plasminogen
																																	Plateletcrit (PCT)
																																	Platelet Distribution Width (PDW)
																																	Platelet Volume Distribution Width (PDW)
																																	Platelets (PLT)
																																	Platelets Impedance Method (PLTi)
																																	Platelets, Optical Count (PLTo)
																																	pO <sub>2</sub>
																																	Porphyrins (Total)
																																	Potassium
																																	Prealbumin
																																	Pregnancy/hCG (Qualitative)
																																	Pregnenetriol
																																	Primidone
																																	Procainamide
																																	Procalcitonin
																																	Progesterone
																																	ProGRP*
																																	Prolactin
																																	Properdin Factor B
																																	Propoxyphene
																																	Propranolol
																																	Prostatic Acid Phosphatase (PAP)
																																	Protein (Total)
																																	Protein (Total Urine)
																																	Protein C (Functional)
																																	Protein Electrophoresis
																																	Protein S (Functional)
																																	Protein Serum (Total)
																																	Protein-to-Creatinine Ratio
																																	Prothrombin Time (PT)
																																	PSA (Free)
																																	PSA (Total)
																																	Pseudocholesterase
																																	PTH (Intact)
																																	PTH-MM
																																	Pyrimidine
																																	Quinidine
																																	Quinine
																																	RDW-SD
																																	Red Blood Cells (RBC)
																																	Red Blood Cells, Optical (RBCo)
																																	Red Cell Distribution Width (RDW)
																																	Red Cell Distribution Width-CV (RDW-CV)
																																	Red Cell Distribution Width-SD (RDW-SD)
																																	Red Cell Folate
																																	Renin

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

\*International use only.  
Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

# Control Analyte Index

See page number

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

	104	104	105	110	112	72	60	56	55	31	30	34	61	78	37	37	38	38	78	59	32	56	39	38	37	57	52	53	57	58		
	See Blood Gas Chart	See Cardiac Assessment Chart	See Hematology Chart	See Infectious Disease/Serology Chart	See IntelliQ Chart	Urine Toxicology (See Product Pages)	Allergen sIgE	AMH	Anemia	Assayed Chemistry	Assayed Multiquant (Liquid)	Assayed Multiquant Premium	Autoimmune	Benzo/TCA-Set B	Coagulation (Lyphocheck)	D-dimer	Diabetes (Liquichek)	Diabetes (Lyphocheck)	Drug Free Serum	Elevated CRP	Ethanol/Ammonia (Liquichek)	Fertility	Hemoglobin A1c Linearity Set	Hemoglobin A <sub>2</sub>	Hemostasis	Hypertension Markers	Immunoassay Plus (Liquichek)	Immunoassay Plus (Lyphocheck)	Immunoassay Premium	Immunology (Liquichek)		
Reticulocyte (Retic)			●																													
Retinol Binding Protein (RBP)																															●	
Rheumatoid Factor					●																										●	
Rubella Virus IgG				●																												
Rubella Virus IgM				●																												
Rubeola Virus (Measles) IgG				●																												
S-100*																																
Salicylate					●					●	●	●							▶								●	●	●			
SARS-CoV-2 IgG				●																												
SARS-CoV-2 Total IgG/IgM				●																												
SCC*					●																											
Secobarbital						●													▶													
Sedimentation Rate (ESR)																																
Selenium																																
Serotonin																																
SHBG (Sex Hormone Binding Globulin)					●																						○	▲	●			
Sirolimus																																
Smooth Muscle													●																			
Sodium	●			●						●	●	●																				
Somatomedin-C																											▲	○				
Sorlatomedin C				●																												
Specific Gravity					◆																											
Spun Hematocrit (Spun HCT)			●																													
Syphilis RPR				●																												
Syphilitic Reagin				●																												
T3 Birch ( <i>Betula</i> )						●																										
T3 (Free)				●						○																						
T3 (Total)				●						●	●	●																				
T3 Uptake/T-Uptake				●						●	●	●																				
T4 (Free)				●						○	●	●																				
T4 (Total)				●						●	●	●																				
T-Uptake				●																												
Tacrolimus (FK 506)																																
TBG										○																		●	○	●		
Testosterone				●																			●					●	●	●		
Testosterone (Free)																												●	●			
Thallium																																
THC Metabolite					●																											
Theophylline				●						●	●	●							▶									●	●	●		
Thrombin Time (TT)															●											●						
Thyroglobulin (Tg)																												▲	○			
Tobramycin				●						●	●	●							▶									●	●	●		
Total Red Blood Cell Counts in Retic Channel (Retic RBC)			●																													
<i>Toxoplasma gondii</i> IgG				●																												
<i>Toxoplasma gondii</i> IgM				●																												
Tramadol*																																
Transferrin				●					●	○	○	○																			●	
Trazodone														●					▶													
<i>Treponema pallidum</i> (Syphilis) IgG				●																												
<i>Treponema pallidum</i> (Syphilis) IgM				●																												

\*International use only.

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number							
Immunology Plus (Lyphochek)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qUAntify Advance	qUAntify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty immunoassay (Liquichek)	Specialty immunoassay (Lyphochek)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphochek)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphochek)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphochek)	Unassayed Multiqua (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals								
																															Reticulocyte (Retic)							
●																																Retinol Binding Protein (RBP)						
●											●																					Rheumatoid Factor						
																																Rubella Virus IgG						
																																Rubella Virus IgM						
																																Rubeola Virus (Measles) IgG						
																					●											S-100*						
																	●	●				●	●	●								Salicylate						
																																	SARS-CoV-2 IgG					
																				●													SARS-CoV-2 Total IgG/IgM					
																					●												SCC*					
												●																					Secobarbital					
																																	Sedimentation Rate (ESR)					
																											●							Selenium				
																											▲							Serotonin				
																●																		SHBG (Sex Hormone Binding Globulin)				
																												●	●					Sirolimus				
																																			Smooth Muscle			
							●				●											●	●	●		●									Sodium			
														●																					Somatomedin-C			
																																			Sorlatomedin C			
								●	●	●																										Specific Gravity		
																																				Spun Hematocrit (Spun HCT)		
																																				Syphilis RPR		
																																					Syphilitic Reagin	
																																					T3 Birch ( <i>Betula</i> )	
																	●					▲	○													T3 (Free)		
																	●					●	●													T3 (Total)		
																	●					●	●													T3 Uptake/T-Uptake		
																	▲	●				▲	○	●												T4 (Free)		
																	●					●	●													T4 (Total)		
																	●					●	●														T-Uptake	
																													●	●							Tacrolimus (FK 506)	
																																					TBG	
																																					Testosterone	
																																					Testosterone (Free)	
																											●										Thallium	
																																					THC Metabolite	
							●										●	●				●	●	●													Theophylline	
																																					Thrombin Time (TT)	
																				●	●																Thyroglobulin (Tg)	
																	●	●				●	●	●													Tobramycin	
																																						Total Red Blood Cell Counts in Retic Channel (Retic RBC)
																																						<i>Toxoplasma gondii</i> IgG
																																						<i>Toxoplasma gondii</i> IgM
																																						Tramadol*
●																						○	○	○													Transferrin	
																																						Trazodone
																																						<i>Treponema pallidum</i> (Syphilis) IgG
																																						<i>Treponema pallidum</i> (Syphilis) IgM

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ◆ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

\*International use only.  
Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

See page number

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

	104	104	105	110	112	72	60	56	55	31	30	34	61	78	37	37	38	38	78	59	32	56	39	38	37	57	52	53	57	58
	See Blood Gas Chart	See Cardiac Assessment Chart	See Hematology Chart	See Infectious Disease/Serology Chart	See IntelliQ Chart	Urine Toxicology (See Product Pages)	Allergen sigE	AMH	Anemia	Assayed Chemistry	Assayed Multiquant (Liquid)	Assayed Multiquant Premium	Autoimmune	Benzo/TCA-Set B	Coagulation (Lyphocheck)	D-dimer	Diabetes (Liquichek)	Diabetes (Lyphocheck)	Drug Free Serum	Elevated CRP	Ethanol/Ammonia (Liquichek)	Fertility	Hemoglobin A1c Linearity Set	Hemoglobin A <sub>2</sub>	Hemostasis	Hypertension Markers	Immunoassay Plus (Liquichek)	Immunoassay Plus (Lyphocheck)	Immunoassay Premium	Immunology (Liquichek)
Trichloroacetic Acid																														
Tricyclic Antidepressants						●																								
Tricyclic Antidepressants (TCA) Screen																											●	▲	●	
Triglycerides					●					●	●	●																		
Troponin I		●			●																									
Troponin I Ultra					●																									
Troponin T		●			●																									
<i>Trypanosoma cruzi</i> (T. cruzi)				●																										
TSH					●				●	●	●	●															●	●	●	
Urea					●					●	●	●																		
Urea Nitrogen (BUN)					●					●	●	●																		
Uric Acid					●					●	●	●																		
Urobilinogen																														
Uroporphyrin																														
Valproic Acid					●					●	●	●							▶								●	●	●	
Valproic Acid (Free)																											▲	▲	●	
Vancomycin					●					●	●								▶								●	●	●	
Vancomycin Resistant <i>Enterococci</i> (VRE or vanR)				●																										
Varicella Zoster Virus (VZV) IgG				●																										
Vitamin B <sub>12</sub>					●				●	○	○	○															●	●	●	
VMA																														
W6 Mugwort ( <i>Artemisia vulgaris</i> )						●																								
West Nile Virus IgG				●																										
West Nile Virus IgM				●																										
White Blood Cells (WBC)			●																											
White Blood Cells Counts Measured in Perox Channel (WBPC)			●																											
Zinc					●					○	●	●																		

\*International use only.

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number
Immunology Plus (Lyphocheck)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qQuantify Advance	qQuantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Lyphocheck)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphocheck)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphocheck)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphocheck)	Unassayed Multiqua (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals	
																															Trichloroacetic Acid
																															Tricyclic Antidepressants
	●																														Tricyclic Antidepressants (TCA) Screen
																															Triglycerides
																															Troponin I
																															Troponin I Ultra
																															Troponin T
																															<i>Trypanosoma cruzi (T. cruzi)</i>
										●							●	●													TSH
										●																					Urea
										●																					Urea Nitrogen (BUN)
										●																					Uric Acid
								●	●																						Urobilinogen
										●																					Uroporphyrin
																															Valproic Acid
																															Valproic Acid (Free)
																															Vancomycin
																															Vancomycin Resistant <i>Enterococci</i> (VRE or vanR)
																															Varicella Zoster Virus (VZV) IgG
																						○	○	○							Vitamin B <sub>12</sub>
										●																					VMA
																															W6 Mugwort ( <i>Artemisia vulgaris</i> )
																															West Nile Virus IgG
																															West Nile Virus IgM
								●																							White Blood Cells (WBC)
																															White Blood Cells Counts Measured in Perox Channel (WBCP)
									▲																						Zinc

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

\*International use only.

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Blood Gas Controls

● Analyte present	See page number		
	27	27	27
	Blood Gas	Blood Gas Plus E	Blood Gas Plus EGL
Chloride		●	●
Calcium (Ionized)		●	●
Glucose			●
Lactate (Lactic Acid)			●
Lithium			●
Magnesium			●
pCO <sub>2</sub>	●	●	●
pH	●	●	●
pO <sub>2</sub>	●	●	●
Potassium		●	●
Sodium		●	●

## Cardiac Assessment Controls

● Analyte present ■ Analyte present and no claims are made regarding performance or stability	See page number					
	28	28	29	29	29	29
	Cardiac Advance	Cardiac Markers Plus LT	Cardiac Markers Plus	Cardiac Troponins	CK/LD Isoenzyme	Homocysteine
Albumin					●	
BNP	●	●	●			
CK (Total)		●	●		●	
CK Electrophoresis					●	
CK-MB Isoenzyme	●	●	●		●	
CRP	●	●	●			
Digitoxin	●	●	●			
Galectin-3	●					
Globulin					●	
Homocysteine	●	■	■			●
LD Electrophoresis					●	
LD-1 Isoenzyme					●	
LDH					●	
Myoglobin	●	●	●			
NT-proBNP	●	●	●			
Protein (Total)					●	
Protein Electrophoresis					●	
Troponin I	●	●	●	●		
Troponin T	●	●	●	●		

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## Hematology Controls

See page number

	46	47	48	49	50	50	46	46	47	48	49	51
	Hematology (A)	Hematology (C)	Hematology (S)	Hematology (X)	Hematology-16	Hematology-16T	Reticulocyte (A)	Reticulocyte (A-I)	Reticulocyte (C)	Reticulocyte (S)	Reticulocyte (X)	Sedimentation Rate
Basophils (BASO or BA)	●	●	●	●								
Cellular Hemoglobin Concentration Mean (CHCM)			●									
Cellular Hemoglobin Concentration Mean of Gated Red Blood Cells (CHCMg)										●		
Cellular Hemoglobin Concentration Mean of Reticulocytes (CHCMr)										●		
Eosinophils (EOS or EO)	●	●	●	●								
Erythrocyte Sedimentation Rate (ESR)												●
Granulocytes (GRAN)	●				●	●						
Hematocrit (HCT)	●	●	●	●	●	●						
Hemoglobin (HGB)	●	●	●	●	●	●						
Hemoglobin Concentration Distribution Width (HDW)			●									
Immature Reticulocyte Fraction (IRF)								●	●		●	
Large Unstained Cells (LUC)			●									
LYMPH (W-SCC & W-SCR)						●						
Lymphocytes (LYMPH or LY)	●	●	●	●	●	●						
Mean Corpuscular Hemoglobin (MCH)	●	●	●	●	●	●						
Mean Corpuscular Hemoglobin Concentration (MCHC)	●	●	●	●	●	●						
Mean Corpuscular Volume (MCV)	●	●	●	●	●	●						
Mean Corpuscular Volume of Gated Red Blood Cells (MCVg)										●		
Mean Corpuscular Volume of Reticulocytes (MCVr)										●		
Mean Hemoglobin Content of All Gated Red Cells (CHg)										●		
Mean Hemoglobin Content of Reticulocytes (CHr)										●		
Mean Platelet Volume (MPV)	●	●	●	●	●	●						
Mean Reticulocyte Volume (MRV)									●			
MID	●				●	●						
Monocytes (MONO or MO)	●	●	●	●	●							
MXD (W-MCC & W-MCR)						●						
NEUT (W-LCC & W-LCR)						●						
Neutrophils (NEUT or NE)	●	●	●	●								
NEUT X			●									
NEUT Y			●									
NRBC/100 WBC (NRBC percent of WBC Count)	●											
Nucleated Optical Count (NOC)	●											
Nucleated Red Blood Cells (NRBC)	●			▲								
Platelet Distribution Width (PDW)	✘	✘										
Plateletcrit (PCT)	✘	✘										
Platelets (PLT)	●	●	●	●	●	●						
Platelets Impedance Method (PLTI)	●											
Platelets, Optical Count (PLT-o)				▲								
Red Blood Cell Distribution Width (RDW)	●	●	●		●	●						
Red Blood Cell Distribution Width-CV (RDW-CV)				●	●							
Red Blood Cell Distribution Width-SD (RDW-SD)		●		●	●							
Red Blood Cells (RBC)	●	●	●	●	●	●		●	●		●	
Red Blood Cells, Optical (RBCo)	●											
Reticulocyte (Retic)							●	●	●	●	●	
Total Red Blood Cell Counts in Retic Channel (Retic RBC)										●		
White Blood Cells (WBC)	●	●	●	●	●	●						
White Blood Cells Counts Measured in Perox Channel (WBCP Perox)			●									
White Impedance Count (WIC)	●											
White Optical Count	●											

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

See page number

## Infectious Disease: Molecular Quality Controls and Standards

- Analyte present
- Negative for analyte

	14	23	16	25	25	26	14	26	23	15	18	15	26	22	18	17	22	19	18	16	17	
	Positive Controls																					
	Adenovirus	Amplichek II	AMR Bundle	Anaplasma Run Control	Babesia Run Control	Bartonella Run Control	BKV	Borrelia Run Control	C. difficile Verification Bundle	CMV	CT/NG	EBV	Ehrlichia Run Control	Enterovirus Control	HBV	HBV AMR Panel	HBV, HCV & HIV-1 Screen Controls	HCV	HCV AMR Panel	HHV-6	HIV	
Adenovirus																						
Anaplasma phagocytophilum				●																		
Babesia microti					●																	
Bartonella quintana						●																
BKV																						
Inactivated Bordetella parapertussis																						
Inactivated Bordetella pertussis																						
Borrelia burgdorferi								●														
Inactivated Chlamydia trachomatis (CT)											●											
Inactivated Chlamydia pneumoniae																						
Clostridium difficile (C. diff.)		●																				
CMV																						
Inactivated Coronavirus 229E																						
Coronavirus HKU1 (IVT)																						
Coronavirus NL63 (IVT)																						
Inactivated Coronavirus OC43																						
EBV																						
Ehrlichia chaffeensis													●									
Enterovirus (EV) Coxsackievirus A9																						
HBsAg																						
HBV																						
HCV Antibodies																						
HCV																						
HHV-6																						
HIV-1																						
HIV-1/2 Antibodies																						
HSV-1/2																						
Human Cell Line																						
Human metapneumovirus (IVT)																						
Human Papillomavirus (HPV) Genotype 16																						
Human Papillomavirus (HPV) Genotype 18																						
Human Papillomavirus (HPV) Genotype 68																						
Inactivated Adenovirus	●																					
Inactivated BKV							●															
Inactivated C. difficile									●													
Inactivated CMV										●												
Inactivated Coxsackievirus A9														●								
Inactivated EBV															●							
Inactivated HBV																●	●	●				
Inactivated HCV																		●				
Inactivated HHV-6A																					●	
Inactivated HHV-6B																					●	
Inactivated HIV-1																				●		●
Inactivated HSV-1																						
Inactivated HSV-2																						
Inactivated JCV																						
Inactivated Methicillin-resistant Staphylococcus aureus (MRSA)																						
Inactivated Methicillin-susceptible Staphylococcus aureus (MSSA)																						
Inactivated Parvovirus B19																						
Inactivated Varicella Zoster Virus (VZV)																						
Inactivated Zika Virus																						
Influenza A H1N1																						
Influenza A H1N1-2009 (IVT)																						
Influenza A H3N2 (IVT)																						

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

																	See page number						
17	19	20	20	16	23	14	24	24	25	25	25	25	25	24	20	22	26	22	21	21	21	21	
Positive Controls																	Negative						
HIV-1 AMR Panel	HPV	HSV-1	HSV-2	JCV	MRSA Verification Bundle	Parvovirus B19	RP Positive & Negative Run Controls	SARS-CoV-2	SARS-CoV-2 S Gene Alpha Variant	SARS-CoV-2 S Gene Beta Variant	SARS-CoV-2 S Gene Delta-Kappa Variant	SARS-CoV-2 S Gene Epsilon Variant	SARS-CoV-2 S Gene Gamma Variant	SARS-CoV-2, Flu, RSV Run Control	TV/NG	VZV	ZKV	Amplichek II	EDX Negative	HAI Negative Run Control	Synthetic Negative Run Control	STI Negative Run Control	
																			■				Adenovirus
																						■	<i>Anaplasma phagocytophilum</i>
																						■	<i>Babesia microti</i>
																						■	<i>Bartonella quintana</i>
																				■			BKV
							●																<i>Inactivated Bordetella parapertussis</i>
							●																<i>Inactivated Bordetella pertussis</i>
																						■	<i>Borrelia burgdorferi</i>
																						■	<i>Inactivated Chlamydia trachomatis</i> (CT)
							●																<i>Inactivated Chlamydomonada pneumoniae</i>
																		■		■			<i>Clostridium difficile</i> (C. diff)
																			■				CMV
							●																Inactivated Coronavirus 229E
							●																Coronavirus HKU1 (IVT)
							●																Coronavirus NL63 (IVT)
							●																Inactivated Coronavirus OC43
																				■			EBV
																						■	<i>Ehrlichia chaffeensis</i>
																						■	Enterovirus (EV) Coxsackievirus A9
																				■			HBsAg
																				■			HBV
																				■			HCV Antibodies
																				■			HCV
																				■			HHV-6
																				■			HIV-1
																				■		■	HIV-1/2 Antibodies
																				■			HSV-1/2
							●																Human Cell Line
	●																						Human metapneumovirus (IVT)
	●																						Human Papillomavirus (HPV) Genotype 16
	●																						Human Papillomavirus (HPV) Genotype 18
							●																Human Papillomavirus (HPV) Genotype 68
																							Inactivated Adenovirus
																							Inactivated BKV
																							Inactivated <i>C. difficile</i>
																							Inactivated CMV
																							Inactivated Coxsackievirus A9
																							Inactivated EBV
																							Inactivated HBV
																							Inactivated HCV
																							Inactivated HHV-6A
																							Inactivated HHV-6B
●																							Inactivated HIV-1
		●																					Inactivated HSV-1
			●																				Inactivated HSV-2
				●																			Inactivated JCV
					●																		Inactivated Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)
						●																	Inactivated Methicillin-susceptible <i>Staphylococcus aureus</i> (MSSA)
							●																Inactivated Parvovirus B19
																●							Inactivated Varicella Zoster Virus (VZV)
																	●						Inactivated Zika Virus
							●																Influenza A H1N1
							●																Influenza A H1N1-2009 (IVT)
							●																Influenza A H3N2 (IVT)

### Infectious Disease: Molecular Quality Controls and Standards

- Analyte present
- Negative for analyte

Refer to myInsersts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

See page number

## Infectious Disease: Molecular Quality Controls and Standards

- Analyte present
- Negative for analyte

	14	23	16	25	25	26	14	26	23	15	18	15	26	22	18	17	22	19	18	16	17	
	Positive Controls																					
	Adenovirus	Amplichek II	AMR Bundle	Anaplasma Run Control	Babesia Run Control	Bartonella Run Control	BKV	Borrelia Run Control	C. difficile Verification Bundle	CMV	CT/NG	EBV	Ehrlichia Run Control	Enterovirus Control	HBV	HBV AMR Panel	HBV, HCV & HIV-1 Screen Controls	HCV	HCV AMR Panel	HHV-6	HIV	
Influenza A-H1N1																						
Influenza B																						
JC Virus																						
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)		●																				
Methicillin-sensitive <i>Staphylococcus aureus</i> (MSSA)		●																				
Middle Eastern Respiratory Syndrome (IVT)																						
<i>Mycoplasma genitalium</i>																						
<i>Mycoplasma pneumoniae</i>																						
<i>Neisseria gonorrhoeae</i> (NG)											●											
Parainfluenza 1																						
Parainfluenza 2																						
Parainfluenza 3																						
Parainfluenza 4																						
Recombinant HCV			●																			
Respiratory Syncytial Virus (A)																		●	●			
Respiratory Syncytial Virus (B)																						
Rhinovirus																						
SARS-CoV-2 (Whole Virus)																						
SARS-CoV-2 Genes (E, N, ORF1ab, RdRP, S)																						
SARS-CoV-2, Synthetic RNA Transcript: Alpha Variant (B.1.1.7)																						
SARS-CoV-2, Synthetic RNA Transcript: Beta Variant (B.1.351)																						
SARS-CoV-2, Synthetic RNA Transcript: Delta-Kappa Variants (B.1.617.1, B.1.617.2 and AY sublineages, B.1.617.3)																						
SARS-CoV-2, Synthetic RNA Transcript: Epsilon Variant (B.1.427, B.1.429)																						
SARS-CoV-2, Synthetic RNA Transcript: Gamma Variant (P.1)																						
<i>Trichomonas vaginalis</i>																						
Vancomycin-resistant <i>Enterococci</i> (VRE or vanR)		●																				
VZV																						
Zika Virus																						

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



	17	19	20	20	16	23	14	24	24	25	25	25	25	25	24	20	22	26	22	21	21	21	21	
	Positive Controls																		Negative					
	HIV-1 AMR Panel	HPV	HSV-1	HSV-2	JCV	MRSA Verification Bundle	Parvovirus B19	RP Positive & Negative Run Controls	SARS-CoV-2	SARS-CoV-2 S Gene Alpha Variant	SARS-CoV-2 S Gene Beta Variant	SARS-CoV-2 S Gene Delta-Kappa Variant	SARS-CoV-2 S Gene Epsilon Variant	SARS-CoV-2 S Gene Gamma Variant	SARS-CoV-2, Flu, RSV Run Control	TV/MG	VZV	ZKV	Amplichek II	EDX Negative	HAI Negative Run Control	Synthetic Negative Run Control	STI Negative Run Control	
								●							●									Influenza A-H1N1
								●							●									Influenza B
																				■				JC Virus
																			■		■			Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)
																			■		■			Methicillin-sensitive <i>Staphylococcus aureus</i> (MSSA)
							●																	Middle Eastern Respiratory Syndrome (IVT)
							●									●								<i>Mycoplasma genitalium</i>
							●																	<i>Mycoplasma pneumoniae</i>
																							■	<i>Neisseria gonorrhoeae</i> (NG)
							●																	Parainfluenza 1
							●																	Parainfluenza 2
							●																	Parainfluenza 3
							●																	Parainfluenza 4
							●																	Recombinant HCV
							●								●									Respiratory Syncytial Virus (A)
							●																	Respiratory Syncytial Virus (B)
							●																	Rhinovirus
							●																	SARS-CoV-2 (Whole Virus)
								●																SARS-CoV-2 Genes (E, N, ORF1ab, RdRP, S)
									●															SARS-CoV-2, Synthetic RNA Transcript: Alpha Variant (B.1.1.7)
										●														SARS-CoV-2, Synthetic RNA Transcript: Beta Variant (B.1.351)
											●													SARS-CoV-2, Synthetic RNA Transcript: Delta-Kappa Variants (B.1.617.1, B.1.617.2 and AY sublineages, B.1.617.3)
												●												SARS-CoV-2, Synthetic RNA Transcript: Epsilon Variant (B.1.427, B.1.429)
													●											SARS-CoV-2, Synthetic RNA Transcript: Gamma Variant (P.1)
															●									<i>Trichomonas vaginalis</i>
																			■					Vancomycin-resistant <i>Enterococci</i> (VRE or vanR)
																				■				VZV
																				■				Zika Virus

See page number

## Infectious Disease: Molecular Quality Controls and Standards

- Analyte present
- Negative for analyte

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

See page number

## Infectious Disease: Serology Controls

- Analyte present
- Negative for analyte

	62	62	62	63	66	67	69	68	68	64	64	63	64	64	62	62	63	63	
	Positive Controls																		
	Assayed VIRO TROL I-C	Assayed VIRO TROL I-E	Assayed VIRO TROL I-F	Assayed VIRO TROL II-B	Liq. TORCH Plus	PneumoTrol	PyloTrol	VIRO TROL Chagas	VIRO TROL EBV	VIRO TROL HAV-IgM	VIRO TROL HBeAg	VIRO TROL HIV-1 Ag	VIRO TROL HIV-1 gO	VIRO TROL HIV-2	VIRO TROL I	VIRO TROL II	VIRO TROL III	VIRO TROL IV	
Anti-Cytomegalovirus (Anti-CMV)	●	●	●												●				
Anti-HAV				●												●	●		
Anti-HBc	●	●	●												●				
Anti-HBe																		●	
Anti-HBs				●												●			
Anti-HCV	●	●	●												●				
Anti-HIV-1	●	●	●												●				
Anti HIV-1/2																			
Anti-HIV-1 gO													●						
Anti-HIV-2														●					
Anti-HTLV-I	●	●	●												●				
Anti-HTLV-I/II																			
Anti-HTLV-II																			
Anti-Treponema pallidum (Syphilis)																			
Anti-Trypanosoma cruzi (T. cruzi)								●											
Borrelia burgdorferi IgG																			
Chlamydia trachomatis IgG						●													
Cytomegalovirus (CMV) IgG					●														
Cytomegalovirus (CMV) IgM																			
EBNA IgG									●										
EBV EA-D IgG																			
Epstein-Barr Virus (VCA) IgG					●				●										
Epstein-Barr Virus (VCA) IgM									●										
HAV-IgM										●							●		
HBc-IgM																	●		
HBeAg											●								
HBsAg	●	●	●												●				
Helicobacter pylori IgG					●		●												
Herpes Simplex Virus Type 1 (HSV-1) IgG					●														
Herpes Simplex Virus Type 1 (HSV-1) IgM																			
Herpes Simplex Virus Type 2 (HSV-2) IgG					●														
Herpes Simplex Virus Type 2 (HSV-2) IgM																			
HIV-1 Ag												●							
Measles Virus (Rubeola) IgG																			
Mumps Virus IgG																			
Mycoplasma pneumoniae IgG						●													
Mycoplasma pneumoniae IgM						●													
Non-treponemal Antibodies (Syphilitic Reagin)																			
Rubella Virus IgG					●														
Rubella Virus IgM																			
SARS-CoV-2 Total IgG/IgM and SARS-CoV-2 IgG																			
Syphilis RPR					●														
Toxoplasma gondii IgG					●														
Toxoplasma gondii IgM																			
Treponema pallidum (Syphilis) IgG					●														
Treponema pallidum (Syphilis) IgM																			
Varicella Zoster Virus (VZV) IgG					●														
West Nile Virus IgG & West Nile Virus IgM																			

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

69	66	64	68	67	68	65	65	69	66	65	69	66	67	66	See page number
Positive Controls									Negative Controls						Infectious Disease: Serology Controls
VIROCONTROL Lyme	VIROCONTROL MUMZ	VIROCONTROL PLUS-R	VIROCONTROL RPR Panel	VIROCONTROL SARS-CoV-2	VIROCONTROL Syphilis LR-A	VIROCONTROL TORCH	VIROCONTROL TORCH-M	VIROCONTROL WNV	Liq. TORCH Plus	VIROCLEAR	VIROCLEAR EBV	VIROCLEAR MUMZ	VIROCLEAR SARS-CoV-2	VIROCLEAR TORCH	
		●								■					Anti-Cytomegalovirus (Anti-CMV)
										■					Anti-HAV
		●								■					Anti-HBc
										■					Anti-HBe
										■					Anti-HBs
		●								■					Anti-HCV
										■					Anti-HIV-1
		●								■					Anti HIV-1/2
										■					Anti-HIV-1 gO
										■					Anti-HIV-2
										■					Anti-HTLV-1
		●								■					Anti-HTLV-1/II
										■					Anti-HTLV-II
										■					Anti-Treponema pallidum (Syphilis)
										■					Anti-Trypanosoma cruzi (T. cruzi)
●															Borrelia burgdorferi IgG
															Chlamydia trachomatis IgG
						●	●		■					■	Cytomegalovirus (CMV) IgG
							●							■	Cytomegalovirus (CMV) IgM
											■				EBNA IgG
											■				EBV EA-D IgG
									■		■				Epstein-Barr Virus (VCA) IgG
											■				Epstein-Barr Virus (VCA) IgM
											■				HAV-IgM
											■				HBc-IgM
											■				HBeAg
		●									■				HBsAg
										■					Helicobacter pylori IgG
						●	●		■						Herpes Simplex Virus Type 1 (HSV-1) IgG
															Herpes Simplex Virus Type 1 (HSV-1) IgM
						●	●		■						Herpes Simplex Virus Type 2 (HSV-2) IgG
															Herpes Simplex Virus Type 2 (HSV-2) IgM
											■				HIV-1 Ag
	●												■		Measles Virus (Rubeola) IgG
	●														Mumps Virus IgG
															Mycoplasma pneumoniae IgG
															Mycoplasma pneumoniae IgM
											■				Non-treponemal Antibodies (Syphilitic Reagin)
						●	●		■						Rubella Virus IgG
							●								Rubella Virus IgM
				●										■	SARS-CoV-2 Total IgG/IgM and SARS-CoV-2 IgG
									■						Syphilis RPR
						●	●		■						Toxoplasma gondii IgG
							●								Toxoplasma gondii IgM
		●	●		●				■	■					Treponema pallidum (Syphilis) IgG
		●	●		●					■					Treponema pallidum (Syphilis) IgM
	●											■			Varicella Zoster Virus (VZV) IgG
								●							West Nile Virus IgG & West Nile Virus IgM

● Analyte present  
■ Negative for analyte

Refer to myInsersts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



See page number

- Analyte available
- Analyte present in endogenous levels

Test Menu	Analytes	9	9	10	10	10	11	11	11	12	12	12
		InteliQ Assayed Multiquial	InteliQ Cardiac Advance	InteliQ Cardiac Markers Plus LT	InteliQ Diabetes	InteliQ Ethanol/Ammonia	InteliQ Homocysteine	InteliQ Immunoassay Plus	InteliQ Immunology	InteliQ Specialty Immunoassay	InteliQ Tumor Marker	InteliQ Urine Chemistry
<b>Anemia</b>	Ceruloplasmin	○							●			
	Erythropoietin (EPO)									●		
	Ferritin	○						●	●		●	
	Folate							●				
	Vitamin B <sub>12</sub>	○						●				
<b>Bone Metabolism</b>	25-Hydroxy Vitamin D									●		
	Intact PTH									●		
	Osteocalcin									●		
<b>Cancer/Oncology</b>	α-Fetoprotein (AFP)							●			●	
	CA 15-3										●	
	CA 19-9										●	
	CA 27.29										●	
	CA 72-4*										●	
	CA 125										●	
	Carcinoembryonic Antigen (CEA)							●			●	
	Cyfra 21-1*										●	
	HE4										●	
	HER-2/neu										●	
	PAP										●	
	ProGRP*										●	
	PSA (Free)							●			●	
	PSA (Total)							●			●	
	SCC*										●	
Thyroglobulin										●		
<b>Cardiac</b>	BNP		●	●								
	CK (Total)			●								
	CK-MB Isoenzyme		●	●				●				
	CRP		●	●								
	Galectin-3		●									
	Myoglobin		●	●								
	NT-proBNP		●	●								
	Troponin I**		●	●								
Troponin T		●	●									
<b>Diabetes</b>	C-Peptide									●		
	Hemoglobin A1C				●							
	Insulin							●				
<b>Fertility/Pregnancy</b>	Androstenedione							●				
	DHEA-S							●				
	Estradiol							●				
	Estriol (Free)							●				
	FSH							●				
	hCG (Total)							●			●	
	LH							●				
	Pregnancy/hCG (Qualitative)											●
	Progesterone							●				
	Prolactin							●			●	
	SHBG (Sex Hormone Binding Globulin)							○				
Testosterone							●					

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



See page number

- Analyte available
- Analyte present in endogenous levels

Test Menu

Analytes

		9	9	10	10	10	11	11	11	12	12	12
		InteliQ Assayed Multiquial	InteliQ Cardiac Advance	InteliQ Cardiac Markers Plus LT	InteliQ Diabetes	InteliQ Ethanol/Ammonia	InteliQ Homocysteine	InteliQ Immunoassay Plus	InteliQ Immunology	InteliQ Specialty Immunoassay	InteliQ Tumor Marker	InteliQ Urine Chemistry
<b>General Chemistry</b>	α-1-Antitrypsin	○										
	α-1-Globulin	○										
	α-2-Globulin	○										
	β-Globulin	○										
	γ-Globulin	○										
	γ-Glutamyltransferase (GGT)	●										
	Acid Phosphatase (Total)	●										
	Albumin	●							●			
	Albumin-to-Globulin Ratio	○										
	Alkaline Phosphatase	●										
	ALT/SGPT	●										
	Ammonia						●					
	Amylase	●										●
	Amylase (Pancreatic)	●										
	AST/SGOT	●										
	Bilirubin (Direct)	●										
	Bilirubin (Neonatal)	●										
	Bilirubin (Total)	●										
	Calcium	●										●
	Calcium (Ionized)	●										
	Carbon Dioxide (CO <sub>2</sub> )	●										
	Chloride	●										●
	Cholesterol (HDL)	●										
	Cholesterol (LDL)	●										
	Cholesterol (Total)	●										
	Cholinesterase	○										
	Copper	○										
	Creatine Kinase (CK)	●			●							
	Creatinine	●										●
	Glucose	●										●
	Iron	●							○			
	Iron (TIBC)	○										
	Iron (UIBC)	○										
	Lactate (Lactic Acid)	●										
	Lactate Dehydrogenase (LDH)	●										
	LAP Arylamidase	●										
	Lipase	●										
	Magnesium	●										●
	Microalbumin	●										●
	Osmolality	●										●
Phospholipids	●											
Phosphorus	●										●	
Potassium	●										●	
Protein (Total)	●										●	
Sodium	●										●	
Triglycerides	●											
Urea	●										●	
Urea Nitrogen (BUN)	●										●	
Uric Acid	●										●	

Refer to myInsersts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



See page number

- Analyte available
- Analyte present in endogenous levels

Test Menu	Analytes	9	9	10	10	10	11	11	11	12	12	12
		InteliQ Assayed Multiquant	InteliQ Cardiac Advance	InteliQ Cardiac Markers Plus LT	InteliQ Diabetes	InteliQ Ethanol/Ammonia	InteliQ Homocysteine	InteliQ Immunoassay Plus	InteliQ Immunology	InteliQ Specialty Immunoassay	InteliQ Tumor Marker	InteliQ Urine Chemistry
<b>Growth</b>	Insulin Growth Factor I (IGF-I)/Somatomedin C									●	●	
	hGH							●				
<b>Inflammation</b>	Antistreptolysin O (ASO)								●			
	CRP			●					●			
	Immunoglobulin E (IgE)							●	●			
<b>Metabolic</b>	Cortisol	●						●				●
	Homocysteine		●				●					
<b>Therapeutic Drug Monitoring</b>	Amikacin	●						●				
	Caffeine							●				
	Carbamazepine	●						●				
	Digitoxin		●	●								
	Digoxin	●						●				
	Gentamicin	●						●				
	Lidocaine							●				
	Lithium	●						●				
	NAPA							●				
	Phenobarbital	●						●				
	Phenytoin	●						●				
	Primidone							●				
	Procainamide							●				
	Quinidine							●				
	Theophylline	●						●				
	Tobramycin	●						●				
	Valproic Acid	●						●				
Vancomycin							●					
<b>Thyroid</b>	Anti-Thyroglobulin (Anti-Tg)									●		
	Anti-Thyropoxidase (Anti-TPO)									●		
	T3 (Free)							●				
	T3 (Total)	●						●				
	T3 Uptake/T Uptake	●						●				
	T4 (Free)	●						●				
	T4 (Total)	●						●				
	Thyroglobulin										●	
Thyroid Stimulating Hormone (TSH)	●						●					
Thyroxine Binding Globulin (TBG)							●					
<b>Toxicology: DOA</b>	Acetaminophen	●						●				
	Ethanol	●				●						
	Salicylate	●						●				
	Tricyclic Antidepressants (TCA)							●				
	Zinc	●										

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



See page number

- Analyte available
- Analyte present in endogenous levels

Test Menu

Analytes

		9	9	10	10	10	11	11	11	12	12	12
		InteliQ Assayed Multiquial	InteliQ Cardiac Advance	InteliQ Cardiac Markers Plus LT	InteliQ Diabetes	InteliQ Ethanol/Ammonia	InteliQ Homocysteine	InteliQ Immunoassay Plus	InteliQ Immunology	InteliQ Specialty Immunoassay	InteliQ Tumor Marker	InteliQ Urine Chemistry
<b>Specific Proteins</b>	α-1-Acid Glycoprotein (AAG)								●			
	α-1-Antitrypsin (AAT)	○							●			
	α-2-Macroglobulin								●			
	ADNase B								●			
	Anti-Cyclic Citrullinated Peptide (Anti-CCP)								●			
	Antithrombin III (AT III)								●			
	Apolipoprotein A-1	○							●			
	Apolipoprotein B	○							●			
	β-2-Microglobulin								●		●	
	C1 Inhibitor								●			
	Complement C3	○							●			
	Complement C4	○							●			
	Cystatin C								○			
	Haptoglobin	○							●			
	IgG Subclass 1								●			
	IgG Subclass 2								●			
	IgG Subclass 3								●			
	IgG Subclass 4								●			
	Immunoglobulin A (IgA)	○							○	●		
	Immunoglobulin G (IgG)	○							○	●		
	Immunoglobulin M (IgM)	○							○	●		
	Kappa Light Chain								●			
	Lambda Light Chain								●			
	Lipoprotein (a)								●			
	pH											●
	Prealbumin	○							●			
	Propterin Factor B								●			
	Protein Serum (Total)	●							●			
Retinol Binding Protein (RBP)								●				
Rheumatoid Factor								●				
Specific Gravity											●	
Transferrin	○							●				

Refer to myInsersts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

See page number

## QC Products in Compact Vials

- Analyte available
- Analyte present in endogenous levels

	30	28	28	38	32	52	58	33	60	54	35
	Assayed Multiquial (Liquid)	Cardiac Advance	Cardiac Markers Plus LT (Liquid)	Diabetes (Liquid)	Ethanol/Ammonia (Liquid)	Immunoassay Plus (Liquid)	Immunology (Liquid)	Pediatric (Liquid)	Spinal Fluid (Liquid)	Tumor Marker (Liquid)	Urine Chemistry (Liquid)
α-1-Acid Glycoprotein							●				
α-1-Antitrypsin	○						●				
α-2-Macroglobulin							●				
β-2-Microglobulin							●			●	
Acetaminophen	●					●					
Albumin	●						●		●		
Alcohol (Ethanol)	●				●						
Alkaline Phosphatase (ALP)	●										
Alphafetoprotein (AFP)						●				●	
ALT/SGPT	●										
Amikacin						●					
Ammonia					●						
Amylase	●										●
Antistreptolysin O (ASO)							●				
Apolipoprotein A-1	○						●				
Apolipoprotein B	○						●				
AST/SGOT	●										
Bilirubin (Direct)	●							●			
Bilirubin (Total)	●							●			
BNP		●									
C1 Inhibitor							●				
CA 15-3										●	
CA 19-9										●	
CA 125										●	
Caffeine						●		●			
Calcium	●							●			●
Carbamazepine	●					●					
CEA						●				●	
Ceruloplasmin	○						●				
Chloride	●							●	●		●
Cholesterol (HDL)	●										
Cholesterol (LDL)	●										
Cholesterol (Total)	●										
Cholinesterase	○										
CK (Total)			●								
CK-MB Isoenzyme		●	●			●					
CO <sub>2</sub>	●										
Complement C3	○						●				
Complement C4	○						●				
Creatine Kinase (CK)	●										
Creatinine	●										●
CRP		●	●				●				
Cystatin C							●				
Digitoxin		●	●								
Digoxin	●					●					
Estradiol						●					
Ethanol	●				●						
Ferritin	○					●	●			●	
Folate						●					
FSH						●					
Galectin-3		●									
Gentamicin	●					●					
GGT	●							●	●		
Glucose	●										●

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.



See page number

## QC Products in Compact Vials

- Analyte available
- Analyte present in endogenous levels

	30	28	28	38	32	52	58	33	60	54	35
	Assayed Multiquant (Liquid)	Cardiac Advance	Cardiac Markers Plus LT (Liquichek)	Diabetes (Liquichek)	Ethanol/Ammonia (Liquichek)	Immunosay Plus (Liquichek)	Immunology (Liquichek)	Pediatric (Liquichek)	Spinal Fluid (Liquichek)	Tumor Marker (Liquichek)	Urine Chemistry (Liquichek)
Haptoglobin	○						●				
hCG										●	
hCG-β Subunit						●					
Hemoglobin A1C				●							
Homocysteine		●									
Immunoglobulin A (IgA)	○					○	●				
Immunoglobulin E (IgE)						●	●				
Immunoglobulin G (IgG)	○					○	●		●		
Immunoglobulin G Subclasses 1-4							●				
Immunoglobulin M (IgM)	○					○	●				
Iron	●					○					
Iron (TIBC)	○										
Kappa Light Chain							●				
Lactate (Lactic Acid)	●								●		
Lactate Dehydrogenase (LDH)	●								●		
Lambda Light Chain							●				
Lidocaine						●					
Lipase	●										
Lithium	●					●					
Luteinizing Hormone (LH)						●					
Magnesium	●							●			●
Microalbumin											●
Myoglobin		●	●								
N-Acetylprocainamide (NAPA)						●					
NT-proBNP		●	●								
Phenobarbital	●					●					
Phenytoin	●					●					
Phosphorus	●										●
Potassium	●							●			●
Prealbumin	○						●				
Procainamide						●					
Prolactin						●				●	
Protein (Total)	●						●		●		●
PSA						●				●	
PSA (Free)						●				●	
Retinol Binding Protein (RBP)							●				
Rheumatoid Factor							●				
Salicylate	●					●					
Sodium	●							●	●		●
T3 (Free)						●					
T3 (Total)	●					●					
T3 Uptake/T Uptake	●					●					
T4 (Free)	●					●					
T4 (Total)	●					●					
Theophylline	●					●		●			
Tobramycin	●					●					
Transferrin	○						●				
Tricyclic Antidepressants (TCA)						●					
Triglycerides	●										
Troponin I		●	●								
TSH	●					●					
Urea Nitrogen (BUN)	●										●
Uric Acid	●										●
Valproic Acid	●					●					

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## EQAS™ Programs

See page number

- Analyte present
- ▶ Pilot analyte

	40	40	40	41	40	41	41	42	42	42	43	43	43	43	44	44	44
	Blood Gas	Blood Typing	Cardiac Markers	Clin. Chemistry (Monthly)	Coagulation	Ethanol/Ammonia	Hematology	Hemoglobin	HIV/Hepatitis	Immunoassay (Monthly)	Lipids	Serum Proteins	Syphilis/Chagas	TDM	TORCH/EBV/MuM/Z	Urinalysis	Urine Chemistry
5-Hydroxyindoleacetic Acid (HIAA)																	●
11-Deoxycortisol										●							
17-α-OH-Progesterone										●							
25-OH Vitamin D										●							
α-1 Acid Glycoprotein												●					
α-1 Antitrypsin												●					
α-2 Macroglobulin												●					
β-2 Microglobulin										●		●					
ABO Group		●															
Acetaminophen														●			
Acid Phosphatase (Total)				●													
ACTH										●							
Alanine Aminotransferase (ALT/SGPT)				●													
Albumin				●								●				●	
Albumin-to-Creatinine Ratio																●	
Aldosterone										●							
Alkaline Phosphatase (ALP)				●													
Alphafetoprotein (AFP)										●							
Amikacin														●			
Amitriptyline														●			
Ammonia						●											
Amylase (Pancreatic)				●													
Amylase (Total)				●													
Androstenedione										●							
Angiotensin Converting Enzyme (ACE)										●							
Anti-HAV									●								
Anti-HBc									●								
Anti-HBe									●								
Anti-HBs									●								
Anti-HCV									●								
Anti-HIV-1									●								
Anti-HIV-1/2									●								
Anti-HIV-2									●								
Anti-HTLV-I									●								
Antibody Identification		●															
Antibody Screen		●															
Antigen Typing		●															
Antistreptolysin O (ASO)												●					
Antithrombin III (ATIII)					●												
Apolipoprotein A-1											●						
Apolipoprotein B											●						
APTT					●												
Aspartate Aminotransferase (AST/SGOT)				●													
Bile Acids				●													
Bilirubin				●													●
Bilirubin (Direct)				●													
Bilirubin (Indirect)				●													
Bilirubin (Total)				●													
Blood/Hemoglobin																●	
BNP			●														
C-Peptide										●							
C-Reactive Protein (CRP)												●					
CA 15-3										●							
CA 19-9										●							
CA 27.29										●							
CA 125										●							
Caffeine														●			
Calcitonin										▶							
Calcium (Ionized)	●			●													

Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

**EQAS™ Programs**

See page number

- Analyte present
- ▶ Pilot analyte

	40	40	40	41	40	41	41	42	42	42	43	43	43	43	44	44	44
	Blood Gas	Blood Typing	Cardiac Markers	Clin. Chemistry (Monthly)	Coagulation	Ethanol/Ammonia	Hematology	Hemoglobin	HIV/Hepatitis	Immunoassay (Monthly)	Lipids	Serum Proteins	Syphilis/Chagas	TDM	ToRCH/EBV/MuM2	Urinalysis	Urine Chemistry
Calcium (Total)				●													●
Carbamazepine										●				●			
Carbon Dioxide (CO <sub>2</sub> )				●													
Carcinoembryonic Antigen (CEA)										●							
Ceruloplasmin												●					
Chloride	●			●													●
Cholesterol (HDL)				●							●						
Cholesterol (LDL)				●							●						
Cholesterol (Total)				●							●						
Cholinesterase				●													
CK-MB			●														
Compatibility (Cross-match)		●															
Complement C3												●					
Complement C4												●					
Copper				●													
Cortisol				●						●							
Cortisol (Free)																	●
Creatine Kinase (CK)				●													
Creatinine				●												●	●
Cyclosporine														●			
Cytomegalovirus (CMV) IgG															●		
Cytomegalovirus (CMV) IgM															●		
DAT (Direct Antiglobulin Test)		●															
D-dimer			●		●												
DHEA										●							
DHEA Sulfate										●							
Digoxin										●				●			
Dopamine																	●
Epinephrine																	●
Epstein-Barr Virus (EBNA) IgG															●		
Epstein-Barr Virus (VCA) IgG															●		
Epstein-Barr Virus (VCA) IgM															●		
Estradiol										●							
Estriol, Free (UE <sub>3</sub> )										●							
Ethanol						●											
Ethosuximide														●			
Factor VIII					●												
Ferritin										●							
Fibrinogen					●												
Folate										●							
Follicle Stimulating Hormone (FSH)										●							
Fructosamine										●							
Gamma Glutamyltransferase (GGT)				●													
Gastrin										●							
Gentamicin														●			
Glucose	●			●												●	●
Haptoglobin												●					
HAV IgG									●								
HAV IgM									●								
HBc IgM									●								
HBeAg									●								
HBsAg									●								
hCG										●							
Hematocrit (HCT)							●										
Hemoglobin A1C								●									
Hemoglobin A <sub>2</sub>								●									
Hemoglobin							●										
Hemoglobin (Total Glycated)								●									
Herpes Simplex Virus (HSV-1) IgG															●		

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## EQAS™ Programs

See page number

- Analyte present
- Pilot analyte

	40	40	40	41	40	41	41	42	42	42	43	43	43	43	44	44	44
	Blood Gas	Blood Typing	Cardiac Markers	Clin. Chemistry (Monthly)	Coagulation	Ethanol/Ammonia	Hematology	Hemoglobin	HIV/Hepatitis	Immunoassay (Monthly)	Lipids	Serum Proteins	Syphilis/Chagas	TDM	TORCH/EBV/MuM/Z	Urinalysis	Urine Chemistry
Herpes Simplex Virus (HSV-1/2) IgG																	●
Herpes Simplex Virus (HSV-2) IgG																	●
hGH										●							
HIV-1 Ag									●								
Homocysteine			●														
Homovanillic Acid (HVA)																	●
hs-CRP			●														
IgA												●					
IgE										●		●					
IgG										●		●					
IgM												●					
INR					●												
Insulin										●							
Intact PTH										●							
Iron				●													
Iron Binding Capacity, Total (TIBC)				●													
Iron Binding Capacity, Unsaturated (UIBC)				●													
Kappa Light Chain												●					
Ketones																	●
Lactate (Lactic Acid)	●			●													
Lactate Dehydrogenase (LDH)				●													
Lambda Light Chain												●					
Leukocytes																	●
LH										●							
Lipase				●													
Lipoprotein (a)											●						
Lithium				●										●			
Magnesium	●			●													●
Mean Corpuscular Hemoglobin (MCH)							●										
Mean Corpuscular Hemoglobin Concentration (MCHC)							●										
Mean Corpuscular Volume (MCV)							●										
Mean Platelet Volume (MPV)							●										
Measles Virus (Rubeola) IgG																●	
Metanephrine																	●
Methotrexate														●			
Microalbumin																	●
Mumps Virus IgG																●	
Myoglobin			●														
Nitrite																	●
Non-Treponemal antibodies													●				
Norepinephrine																	●
Normetanephrine																	●
Nortriptyline														●			
NSE										●							
NT-proBNP			●														
Osmolality				●													●
pCO <sub>2</sub>	●																
pH	●																●
pO <sub>2</sub>	●																
Phenobarbital										●				●			
Phenytoin										●				●			
Phosphorus				●													●
Plasma Renin Activity (PRA)										●							
Platelets (PLT)							●										
Potassium	●			●													●
Pregnancy (hCG)																●	
Prealbumin												●					
Primidone														●			
Progesterone										●							

Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

## EQAS™ Programs

See page number

- Analyte present
- ▶ Pilot analyte

	40	40	40	41	40	41	41	42	42	42	43	43	43	43	44	44	44
	Blood Gas	Blood Typing	Cardiac Markers	Clin. Chemistry (Monthly)	Coagulation	Ethanol/Ammonia	Hematology	Hemoglobin	HIV/Hepatitis	Immunoassay (Monthly)	Lipids	Serum Proteins	Syphilis/Chagas	TDM	Torch/EBV/MuM2	Urinalysis	Urine Chemistry
Prolactin										●							
Protein C					●												
Protein S					●												
Protein (Total)				●								●					●
Protein-to-Creatinine Ratio																●	
PSA (Free)										●							
PSA (Free/Total Ratio)										●							
PSA (Total)										●							
PT					●												
Red Blood Cells (RBC)							●										
Red Blood Cell Distribution Width (RDW)							●										
Red Blood Cell Distribution Width (RDW-SD)							●										
Renin										●							
Rh(D)		●															
Rheumatoid Factor (RF)												●					
Rubella Virus IgG															●		
Rubella Virus IgM															●		
S100 Protein										●							
Salicylate														●			
Sex Hormone Binding Globulin (SHBG)										●							
Sodium	●			●													●
Specific Gravity																●	
T3 Uptake										●							
T-Uptake										●							
Testosterone										●							
Testosterone (Free)										●							
Theophylline										●					●		
Thrombin Time (TT)					●												
Thyroglobulin (Tg)										●							
Thyroid Stimulating Hormone (TSH)				●						●							
Thyroxine Binding Globulin (TBG)										●							
Thyroxine, Free (T <sub>4</sub> )				●						●							
Thyroxine (T <sub>4</sub> ), Total				●						●							
Tobramycin															●		
<i>Toxoplasma gondii</i> (Toxo) IgG																●	
<i>Toxoplasma gondii</i> (Toxo) IgM																●	
Transferrin				●						●		●					
<i>Treponema pallidum</i> IgG													●				
<i>Treponema pallidum</i> Total Antibody													●				
Tricyclic Antidepressants (TCA) Screen														●			
Triglycerides				●							●						
Triiodothyronine, Free (T <sub>3</sub> )				●						●							
Triiodothyronine (T <sub>3</sub> ), Total				●						●							
Troponin I			●														
Troponin T			●														
<i>Trypanosoma cruzi</i> Total Antibody													●				
Urea				●													▶
Urea Nitrogen (BUN)				●													●
Uric Acid				●													●
Urobilinogen																●	
Valproic Acid										●				●			
Vancomycin														●			
Vanillylmandelic Acid (VMA)																	●
Varicella Zoster Virus (VZV) IgG																●	
Vitamin B <sub>12</sub>										●							
von Willebrand Factor (vWF)					●												
White Blood Cells (WBC)							●										
Zinc				●													

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

<b>A</b>	
Additional Software Training, Unity	5, 6, 7
Affiliated Data Exception Report, Unity	3
Affiliated Laboratory Comparison Reports, Unity	3
Allergen sIgE Control (Lyphocheck)	60
AMH Control (Liquichek)	56
Amplichek II	23
ANA Control, Homogeneous Pattern (Liquichek)	61
ANA Controls Set, Positive: Homogeneous, Speckled, Centromere and Nucleolar Patterns (Liquichek)	61
Anemia Control (Lyphocheck)	55
Anti-Mitochondrial Control (Liquichek)	61
Anti-nDNA Control (Liquichek)	61
Anti-Smooth Muscle Control (Liquichek)	61
Assayed Chemistry Control (Lyphocheck)	31
Assayed Multiquel Control (InteliQ)	9
Assayed VIROTROL I-C	62
Assayed VIROTROL I-E	62
Assayed VIROTROL I-F	62
Assayed VIROTROL II-B	63
Autoimmune Negative Control (Liquichek)	61
<b>B</b>	
Barcode Label Generator	Inside Front Cover
Benzo/TCA Control-Set B (Lyphocheck)	78
Bias and Imprecision Histogram Report, Unity	3
Bio-Rad Mission: Control	7
Blood Gas Ampule Breaker	81
Blood Gas Control (Liquichek)	27
Blood Gas Plus E Control (Liquichek)	27
Blood Gas Plus EGL Control (Liquichek)	27
Blood Gas Program (EQAS)	40
Blood Typing Program (EQAS)	40
Blood Typing/Serum Indices Report, Unity	3
<b>C</b>	
Cardiac Advance Control (Liquichek)	28
Cardiac Advance Control (InteliQ)	9
Cardiac Markers Plus Control (Liquichek)	29
Cardiac Markers Plus Control LT (InteliQ)	10
Cardiac Markers Plus Control LT (Liquichek)	28
Cardiac Markers Program (EQAS)	40
Cardiac Troponins Control (Liquichek)	29
CK/LD Isoenzyme Control (Liquichek)	29
Clinical Chemistry (Monthly) Program (EQAS)	41
Coagulation Control (Lyphocheck)	31
Coagulation Program (EQAS)	40
<b>D</b>	
D-dimer Control (Liquichek)	37
Diabetes Control (Liquichek)	38
Diabetes Control (InteliQ)	10
Diabetes Control (Lyphocheck)	38
Dispenser Tips for Crimp Seals	81
Dispenser Tips for Screw Caps	81
Drug Free Serum (Lyphocheck)	78
<b>E</b>	
eInserts XML	Inside Front Cover
Elevated CRP Control (Liquichek)	59
End-of-Cycle Report, EQAS	45
EQAS Resources on QCNet	Inside Front Cover
Ethanol/Ammonia Control (InteliQ)	10
Ethanol/Ammonia Control (Liquichek)	32
Ethanol/Ammonia Program (EQAS)	41
<b>F</b>	
FAQs (QCNet)	Inside Front Cover
Fertility Control (Lyphocheck)	56
<b>H</b>	
Hematology Control (A) (Liquichek)	46
Hematology Control (C) (Liquichek)	47
Hematology Control (S) (Liquichek)	48
Hematology Control (X) (Liquichek)	49
Hematology Program (EQAS)	41
Hematology-16 Control (Liquichek)	50
Hematology-16T Control (Liquichek)	50
Hemoglobin A1C Linearity Set (Lyphocheck)	39
Hemoglobin A <sub>2</sub> Control (Lyphocheck)	38
Hemoglobin Program (EQAS)	42
Hemostasis Control (Lyphocheck)	37
HIV/Hepatitis Program (EQAS)	42
Homocysteine Control (InteliQ)	10
Homocysteine Control (Liquichek)	29
Hypertension Markers Control (Lyphocheck)	57
<b>I</b>	
Immunoassay (Monthly) Program (EQAS)	42
Immunoassay Plus Control (InteliQ)	11
Immunoassay Plus Control (Liquichek)	52
Immunoassay Plus Control (Lyphocheck)	53
Immunoassay Premium Control (Liquichek)	57
Immunology Control (InteliQ)	11
Immunology Control (Liquichek)	58
Immunology Plus Control (Lyphocheck)	58
InstantQC Report, Unity	3
<b>L</b>	
Laboratory Comparison Report, Unity	3
Laboratory Histogram Report, Unity	3
Laboratory Performance Overview Report, Unity	3
Linearity Web	Inside Front Cover, 39
Lipids Control (Liquichek)	33
Lipids Program (EQAS)	43
Liquid Assayed Multiquel	30
Liquid Assayed Multiquel Premium	34
Liquid Unassayed Multiquel	30
<b>M</b>	
Maternal Serum 1st Trimester Control (Liquichek)	56
Maternal Serum II Control (Liquichek)	56
Meter Trax Control	39
Microalbumin Control (Liquichek)	34
Monthly Evaluation Report, Unity	3
My eInserts	Inside Front Cover
<b>O</b>	
Opiate Control (Liquichek)	73

<b>P</b>	
Pediatric Control (Liquichek) . . . . .	33
PneumoTrol . . . . .	67
PyloriTrol . . . . .	69
<b>Q</b>	
QC Articles . . . . .	Inside Front Cover
QC Lot Viewer . . . . .	5
QCNet . . . . .	Inside Front Cover
QCNet International . . . . .	Inside Front Cover
QC Webinars . . . . .	Inside Front Cover
Qualitative Urine Toxicology Control (Liquichek) . . . . .	72
Qualitative Worldwide Report, Unity . . . . .	3
Quality Control Tray . . . . .	81
Quality Specification Report, EQAS . . . . .	45
qUAntify Advance Control . . . . .	80
qUAntify Plus Control . . . . .	80
Quantitative Urine Control (Lyphocheck) . . . . .	35
<b>R</b>	
Reticulocyte Control (A-I) (Liquichek) . . . . .	46
Reticulocyte Control (A) (Liquichek) . . . . .	46
Reticulocyte Control (C) (Liquichek) . . . . .	47
Reticulocyte Control (S) (Liquichek) . . . . .	48
Reticulocyte Control (X) (Liquichek) . . . . .	49
Rheumatoid Factor Control (Liquichek) . . . . .	59
<b>S</b>	
Sample Report, EQAS . . . . .	45
Sedimentation Rate Control (Liquichek) . . . . .	51
Serum Indices (Liquichek) . . . . .	36
Serum Proteins Program (EQAS) . . . . .	43
Serum Volatiles Control (Liquichek) . . . . .	79
Specialty Immunoassay Control (InteliQ) . . . . .	12
Specialty Immunoassay Control (Liquichek) . . . . .	55
Specialty Immunoassay Control (Lyphocheck) . . . . .	55
Spinal Fluid Control (Liquichek) . . . . .	60
Statistical Profile Report, Unity . . . . .	3
Syphilis/Chagas Program (EQAS) . . . . .	43
<b>T</b>	
Target CRP Levels in Bio-Rad Controls (Chart) . . . . .	59
TDM Program (EQAS) . . . . .	43
Technical Documents . . . . .	Inside Front Cover
Therapeutic Drug Monitoring Control (TDM) (Liquichek) . . . . .	70
Therapeutic Drug Monitoring Control (TDM) (Lyphocheck) . . . . .	70
ToRCH/EBV/MuMZ Program (EQAS) . . . . .	44
ToRCH Plus Control (Liquichek) . . . . .	66
Training and Education . . . . .	Inside Front Cover
Tumor Marker Control (InteliQ) . . . . .	12
Tumor Marker Control (Liquichek) . . . . .	54
Tumor Marker Plus Control (Lyphocheck) . . . . .	54
<b>U</b>	
Unassayed Chemistry Control (Human) (Liquichek) . . . . .	32
Unassayed Chemistry Control (Human) (Lyphocheck) . . . . .	31
Unity Alert . . . . .	7
Unity Binder . . . . .	81
UnityConnect . . . . .	4, 6
Unity Interlaboratory Reports . . . . .	4
Unity Real Time . . . . .	4, 6
Unity Real Time LT . . . . .	4, 5
Unity Real Time online . . . . .	4, 6
UnityWeb . . . . .	4, 5
Urinalysis Control (Liquichek) . . . . .	80
Urinalysis Program (EQAS) . . . . .	44
Urinalysis Reports, Unity . . . . .	3
Urinalysis Tools . . . . .	Inside Front Cover
Urine Chemistry Control (InteliQ) . . . . .	12
Urine Chemistry Control (Liquichek) . . . . .	35
Urine Chemistry Program (EQAS) . . . . .	44
Urine Metals Control (Lyphocheck) . . . . .	79
Urine Toxicology Control (Liquichek), Level C1 . . . . .	77
Urine Toxicology Control (Liquichek), Level C2 . . . . .	77
Urine Toxicology Control (Liquichek), Level C2 Low Opiate . . . . .	77
Urine Toxicology Control (Liquichek), Level C3 . . . . .	77
Urine Toxicology Control (Liquichek), Level C3 Low Opiate . . . . .	77
Urine Toxicology Control (Liquichek), Level C4 . . . . .	77
Urine Toxicology Control (Liquichek), Level S1 . . . . .	74
Urine Toxicology Control (Liquichek), Level S1 Low Opiate . . . . .	75
Urine Toxicology Control (Liquichek), Level S1E . . . . .	74
Urine Toxicology Control (Liquichek), Level S1E Low Opiate . . . . .	75
Urine Toxicology Control (Liquichek), Level S1O Low Opiate . . . . .	75
Urine Toxicology Control (Liquichek), Level S1S . . . . .	76
Urine Toxicology Control (Liquichek), Level S2 . . . . .	74
Urine Toxicology Control (Liquichek), Level S2 Low Opiate . . . . .	75
Urine Toxicology Control (Liquichek), Level S2E . . . . .	74
Urine Toxicology Control (Liquichek), Level S2E Low Opiate . . . . .	75
Urine Toxicology Control (Liquichek), Level S2O Low Opiate . . . . .	75
Urine Toxicology Control (Liquichek), Level S2S . . . . .	76
Urine Toxicology Control (Liquichek), Level S3 . . . . .	76
Urine Toxicology Negative Control (Liquichek) . . . . .	72
<b>V</b>	
Value Assignment Program . . . . .	Inside Front Cover
VIROCLEAR . . . . .	65
VIROCLEAR EBV . . . . .	69
VIROCLEAR MuMZ . . . . .	66
VIROCLEAR SARS-CoV-2 . . . . .	67
VIROCLEAR ToRCH . . . . .	66
VIROTROL Chagas . . . . .	68
VIROTROL EBV . . . . .	68
VIROTROL HAV-IgM . . . . .	64
VIROTROL HBeAg . . . . .	64
VIROTROL HIV-1 Ag . . . . .	63
VIROTROL HIV-1 gO . . . . .	64
VIROTROL HIV-2 . . . . .	64
VIROTROL I . . . . .	62
VIROTROL II . . . . .	62
VIROTROL III . . . . .	63
VIROTROL IV . . . . .	63
VIROTROL Lyme . . . . .	69
VIROTROL MuMZ . . . . .	66
VIROTROL PLUS-R . . . . .	64
VIROTROL RPR Panel . . . . .	68
VIROTROL SARS-CoV-2 . . . . .	67
VIROTROL Syphilis LR-A . . . . .	68
VIROTROL ToRCH . . . . .	65
VIROTROL ToRCH-M . . . . .	65
VIROTROL WNV . . . . .	69

## W

Westgard Advisor	4, 7
WebConnect	4, 5
Whole Blood Control (Lyphochek)	79
Whole Blood Immunosuppressant Control, (Liquichek)	71
Whole Blood Immunosuppressant Control (Lyphochek)	71
Whole Blood Metals Control (Lyphochek)	78
Worldwide Report, Unity	3

## Y

YouTube Channel (youtube.com/bioradqc)	Inside Front Cover
--	--------------------

## Exact Diagnostics

Adenovirus (Exact Diagnostics)	14
Analytical Measurement Range Bundle (Exact Diagnostics)	16
Anaplasma Run Control (Exact Diagnostics)	25
Babesia Run Control (Exact Diagnostics)	25
Bartonella Run Control (Exact Diagnostics)	26
BKV (Exact Diagnostics)	14
Borrelia Run Control (Exact Diagnostics)	26
<i>C. difficile</i> Verification Bundle (Exact Diagnostics)	23
CMV (Exact Diagnostics)	15
CT/NG Verification Bundle (Exact Diagnostics)	18
EBV (Exact Diagnostics)	15
Ehrlichia Run Control (Exact Diagnostics)	26
Enterovirus Control (Exact Diagnostics)	22
HAI Negative Run Control (Exact Diagnostics)	21
HBV (Exact Diagnostics)	18
HBV Analytical Measurement Range Panel (Exact Diagnostics)	17
HBV, HCV and HIV-1 Screen Controls (Exact Diagnostics)	22
HCV (Exact Diagnostics)	19
HCV Analytical Measurement Range Panel (Exact Diagnostics)	18
HHV-6 (Exact Diagnostics)	16
HIV (Exact Diagnostics)	17
HIV-1 Analytical Measurement Range Panel (Exact Diagnostics)	17
HPV (Exact Diagnostics)	19
HSV-1 (Exact Diagnostics)	20
HSV-2 (Exact Diagnostics)	20
JCV (Exact Diagnostics)	16
MRSA Verification Bundle (Exact Diagnostics)	23
Negative Control (Exact Diagnostics)	21
Parvovirus B19 (Exact Diagnostics)	14
RP Positive & Negative Run Control (Exact Diagnostics)	24
SARS-CoV-2, Flu, RSV Run Controls (Exact Diagnostics)	24
SARS-CoV-2 S Gene Variant Controls (Exact Diagnostics)	25
SARS-CoV-2, Standard and Run Controls (Exact Diagnostics)	24
STI Negative Run Control (Exact Diagnostics)	21
Synthetic Negative Run Control (Exact Diagnostics)	21
TV/MG (Exact Diagnostics)	20
VZV (Exact Diagnostics)	22
ZKV (Exact Diagnostics)	26



<b>100</b>		
107	ANA Control, Homogeneous Pattern (Liquichek) . . . . .	61
119	Anti-Scl-70 Control (Liquichek) . . . . .	61
127	Anti-Mitochondrial Control (Liquichek) . . . . .	61
129	Anti-Smooth Muscle Control (Liquichek) . . . . .	61
130	Autoimmune Negative Control (Liquichek) . . . . .	61
131	ANA Controls Set, Positive: Homogeneous, Speckled, Centromere and Nucleolar Patterns (Liquichek) . . . . .	61
144	Hematology-16T Control (Liquichek), Trilevel . . . . .	50
144X	Hematology-16T Control (Liquichek), Trilevel MiniPak . . . . .	50
146	Cardiac Markers Plus Control LT (Liquichek), Level 1 (3 mL) . . . . .	28
146X	Cardiac Markers Plus Control LT (Liquichek), Level 1 MiniPak (3 mL) . . . . .	28
147	Cardiac Markers Plus Control LT (Liquichek), Level 2 (3 mL) . . . . .	28
147X	Cardiac Markers Plus Control LT (Liquichek), Level 2 MiniPak (3 mL) . . . . .	28
148	Cardiac Markers Plus Control LT (Liquichek), Level 3 (3 mL) . . . . .	28
148X	Cardiac Markers Plus Control LT (Liquichek), Level 3 MiniPak (3 mL) . . . . .	28
149	Cardiac Markers Plus Control LT (Liquichek), Level Low (3 mL) . . . . .	28
149X	Cardiac Markers Plus Control LT (Liquichek), Level Low MiniPak (3 mL) . . . . .	28
176	Pediatric Control (Liquichek), Level 1 (2.5 mL) . . . . .	33
177	Pediatric Control (Liquichek), Level 2 (2.5 mL) . . . . .	33
178X	Pediatric Control (Liquichek), Bilevel MiniPak (2.5 mL) . . . . .	33
180	Cardiac Markers Plus Control (Liquichek), Trilevel . . . . .	29
180X	Cardiac Markers Plus Control (Liquichek), Trilevel MiniPak . . . . .	29
181	Cardiac Markers Plus Control (Liquichek), Level 1 . . . . .	29
182	Cardiac Markers Plus Control (Liquichek), Level 2 . . . . .	29
183	Cardiac Markers Plus Control (Liquichek), Level 3 . . . . .	29
195	Urine Chemistry Control (Liquichek), Level 1 (2.5 mL) . . . . .	35
196	Urine Chemistry Control (Liquichek), Level 2 (2.5 mL) . . . . .	35
198X	Urine Chemistry Control (Liquichek), Bilevel MiniPak (2.5 mL) . . . . .	35
<b>200</b>		
227	ToRCH Plus Control (Liquichek), Positive . . . . .	66
227X	ToRCH Plus Control (Liquichek), Positive, MiniPak . . . . .	66
228	ToRCH Plus Control (Liquichek), Negative . . . . .	66
228X	ToRCH Plus Control (Liquichek), Negative MiniPak . . . . .	66
239	ToRCH Plus Control (Liquichek), Positive . . . . .	66
239X	ToRCH Plus Control (Liquichek), Positive MiniPak . . . . .	66
254	Elevated CRP Control (Liquichek), Level 1 . . . . .	59
255	Elevated CRP Control (Liquichek), Level 2 . . . . .	59
255X	Elevated CRP Control (Liquichek), Trilevel MiniPak . . . . .	59
256	Elevated CRP Control (Liquichek), Level 3 . . . . .	59
267	Immunoassay Plus Control (Liquichek), Level 1 (2 mL) . . . . .	52
268	Immunoassay Plus Control (Liquichek), Level 2 (2 mL) . . . . .	52
268X	Immunoassay Plus Control (Liquichek), Trilevel MiniPak (2 mL) . . . . .	52
269	Immunoassay Plus Control (Liquichek), Level 3 (2 mL) . . . . .	52
271	Ethanol/Ammonia Control (Liquichek), Level 1 (2.5 mL) . . . . .	32
272	Ethanol/Ammonia Control (Liquichek), Level 2 (2.5 mL) . . . . .	32
272X	Ethanol/Ammonia Control (Liquichek), Trilevel MiniPak (2.5 mL) . . . . .	32
273	Ethanol/Ammonia Control (Liquichek), Level 3 (2.5 mL) . . . . .	32
274	Whole Blood Immunosuppressant Control (Lyphocheck), Level 1 . . . . .	71
275	Whole Blood Immunosuppressant Control (Lyphocheck), Level 2 . . . . .	71
	Whole Blood Immunosuppressant Control (Lyphocheck), Level 3 . . . . .	71
	Whole Blood Immunosuppressant Control (Lyphocheck), Level 4 . . . . .	71
	Whole Blood Immunosuppressant Control (Lyphocheck), Level 5 . . . . .	71
	Whole Blood Immunosuppressant Control (Lyphocheck), Five Level MiniPak . . . . .	71
	Immunology Control (Liquichek), Level 1 (2.5 mL) . . . . .	58
	Immunology Control (Liquichek), Level 2 (2.5 mL) . . . . .	58
	Immunology Control (Liquichek), Trilevel MiniPak (2.5 mL) . . . . .	58
	Immunology Control (Liquichek), Level 3 (2.5 mL) . . . . .	58
	Liquid Assayed Multiquel Premium, Level 1 . . . . .	34
	Liquid Assayed Multiquel Premium, Level 2 . . . . .	34
	Liquid Assayed Multiquel Premium, Trilevel MiniPak . . . . .	34
	Liquid Assayed Multiquel Premium, Level 3 . . . . .	34
	Homocysteine Control (Liquichek), Level 1 . . . . .	29
	Homocysteine Control (Liquichek), Level 2 . . . . .	29
	Homocysteine Control (Liquichek), Trilevel MiniPak . . . . .	29
	Homocysteine Control (Liquichek), Level 3 . . . . .	29
	Cardiac Markers Plus Control LT (Liquichek), Level 1C (2.5 mL) . . . . .	28
	Cardiac Markers Plus Control LT (Liquichek), Level 2 (2.5 mL) . . . . .	28
	Cardiac Markers Plus Control LT (Liquichek), Trilevel MiniPak (2.5 mL) . . . . .	28
	Cardiac Markers Plus Control LT (Liquichek), Level 3 (2.5 mL) . . . . .	28
<b>300</b>		
	Spinal Fluid Control (Liquichek), Bilevel MiniPak (2.5 mL) . . . . .	60
	Spinal Fluid Control (Liquichek), Level 1 (2.5 mL) . . . . .	60
	Spinal Fluid Control (Liquichek), Level 2 (2.5 mL) . . . . .	60
	Assayed Chemistry Control (Lyphocheck), Bilevel MiniPak . . . . .	31
	Unassayed Chemistry Control (Human) (Lyphocheck) Bilevel MiniPak (10 mL) . . . . .	31
	Liquid Assayed Multiquel, Level 1 (2.5 mL) . . . . .	30
	Liquid Assayed Multiquel, Level 2 (2.5 mL) . . . . .	30
	Liquid Assayed Multiquel, Trilevel MiniPak (2.5 mL) . . . . .	30
	Liquid Assayed Multiquel, Level 3 (2.5 mL) . . . . .	30
	Pediatric Control (Liquichek), Bilevel MiniPak (4 mL) . . . . .	33
	Pediatric Control (Liquichek), Level 1 (4 mL) . . . . .	33
	Pediatric Control (Liquichek), Level 2 (4 mL) . . . . .	33
	Specialty Immunoassay Control (Liquichek), Level LTA . . . . .	55
	Specialty Immunoassay Control (Liquichek), Four Level MiniPak . . . . .	55
	Immunoassay Plus Control (Liquichek), Trilevel (5 mL) . . . . .	52
	Immunoassay Plus Control (Liquichek), Trilevel MiniPak (5 mL) . . . . .	52
	Immunoassay Plus Control (Liquichek), Level 1 (5 mL) . . . . .	52
	Immunoassay Plus Control (Liquichek), Level 2 (5 mL) . . . . .	52
	Immunoassay Plus Control (Liquichek), Level 3 (5 mL) . . . . .	52
	Specialty Immunoassay Control (Liquichek), Level 1 . . . . .	55
	Specialty Immunoassay Control (Liquichek), Level 2 . . . . .	55
	Specialty Immunoassay Control (Liquichek), Level 3 . . . . .	55
	Tumor Marker Plus Control (Lyphocheck), Level 1 . . . . .	54
	Tumor Marker Plus Control (Lyphocheck), Level 2 . . . . .	54
	Tumor Marker Plus Control (Lyphocheck), Trilevel MiniPak . . . . .	54
	Tumor Marker Plus Control (Lyphocheck), Level 3 . . . . .	54
	Immunoassay Plus Control (Lyphocheck), Trilevel . . . . .	53
	Immunoassay Plus Control (Lyphocheck), Trilevel MiniPak . . . . .	53
	Immunoassay Plus Control (Lyphocheck), Level 1 . . . . .	53
	Immunoassay Plus Control (Lyphocheck), Level 2 . . . . .	53

373	Immunoassay Plus Control (Lyphocheck), Level 3 . . . . .	53	462	Urine Toxicology Control (Liquichek), Level S2 . . . . .	74
374X	Microalbumin Control (Liquichek), Bilevel MiniPak . . . . .	34	463	Urine Toxicology Control (Liquichek), Level S3 . . . . .	76
375X	Quantitative Urine Control (Lyphocheck), Bilevel MiniPak . . . . .	35	466	Urine Toxicology Control (Liquichek), Level S1 Low Opiate . . . . .	75
376	Quantitative Urine Control (Lyphocheck), Level 1, Normal . . . . .	35	467	Urine Toxicology Control (Liquichek), Level S2 Low Opiate . . . . .	75
377	Quantitative Urine Control (Lyphocheck), Level 2, Abnormal . . . . .	35	468	Urine Toxicology Control (Liquichek), Level C2 Low Opiate . . . . .	77
378	Microalbumin Control (Liquichek), Level 1 . . . . .	34	469	Urine Toxicology Control (Liquichek), Level C3 Low Opiate . . . . .	77
379	Microalbumin Control (Liquichek), Level 2 . . . . .	34	480	Fertility Control (Lyphocheck), Trilevel . . . . .	56
383	Serum Volatiles Control (Liquichek), Level 1 . . . . .	79	480X	Fertility Control (Lyphocheck), Trilevel MiniPak . . . . .	56
384	Serum Volatiles Control (Liquichek), Level 2 . . . . .	79	481	Fertility Control (Lyphocheck), Level 1 . . . . .	56
385X	Serum Volatiles Control (Liquichek), Bilevel MiniPak . . . . .	79	482	Fertility Control (Lyphocheck), Level 2 . . . . .	56
395X	Urine Chemistry Control (Liquichek), Bilevel MiniPak (10 mL) . . . . .	35	483	Fertility Control (Lyphocheck), Level 3 . . . . .	56
397	Urine Chemistry Control (Liquichek), Level 1 (10 mL) . . . . .	35	487	Hematology Control (X) (Liquichek), Trilevel . . . . .	49
398	Urine Chemistry Control (Liquichek), Level 2 (10 mL) . . . . .	35	487X	Hematology Control (X) (Liquichek), Trilevel MiniPak . . . . .	49
	<b>400</b>			<b>500</b>	
400	Urine Metals Control (Lyphocheck), Level 1 . . . . .	79	500	Anemia Control (Lyphocheck), Single Level . . . . .	55
402	Maternal Serum II (Liquichek), Level 1 . . . . .	56	500X	Anemia Control (Lyphocheck), MiniPak . . . . .	55
402X	Urine Metals Control (Lyphocheck), Bilevel MiniPak . . . . .	79	501	Rheumatoid Factor Control (Liquichek), Level 1 . . . . .	59
403	Maternal Serum II Control (Liquichek), Level 2 . . . . .	56	502	Rheumatoid Factor Control (Liquichek), Level 2 . . . . .	59
403X	Maternal Serum II Control (Liquichek), Trilevel MiniPak . . . . .	56	502X	Rheumatoid Factor Control (Liquichek), Trilevel MiniPak . . . . .	59
404	Maternal Serum II Control (Liquichek), Level 3 . . . . .	56	503	Rheumatoid Factor Control (Liquichek), Level 3 . . . . .	59
405	Urine Metals Control (Lyphocheck), Level 2 . . . . .	79	510X	Blood Gas Plus EGL Control (Liquichek), Trilevel MiniPak . . . . .	27
409	Urine Toxicology Control (Liquichek), Level S1S . . . . .	76	511	Blood Gas Plus EGL Control (Liquichek), Level 1 . . . . .	27
419	Urine Toxicology Control (Liquichek), Level S2S . . . . .	76	512	Blood Gas Plus EGL Control (Liquichek), Level 2 . . . . .	27
423	Urine Toxicology Control (Liquichek), Level S1E Low Opiate . . . . .	75	513	Blood Gas Plus EGL Control (Liquichek), Level 3 . . . . .	27
424	Urine Toxicology Control (Liquichek), Level S2E Low Opiate . . . . .	75	514	Sedimentation Rate Control (Liquichek), Level 1 . . . . .	51
430	Immunology Plus Control (Lyphocheck), Bilevel . . . . .	53	514X	Sedimentation Rate Control (Liquichek), Bilevel MiniPak . . . . .	51
430X	Immunology Plus Control (Lyphocheck), Bilevel MiniPak . . . . .	53	515	Sedimentation Rate Control (Liquichek), Level 2 . . . . .	51
435	Urinalysis Control (Liquichek), Bilevel . . . . .	80	527	Whole Blood Metals Control (Lyphocheck), Level 1 . . . . .	78
435X	Urinalysis Control (Liquichek), Bilevel MiniPak . . . . .	80	528	Whole Blood Metals Control (Lyphocheck), Level 2 . . . . .	78
436	Urinalysis Control (Liquichek), Level 1 . . . . .	80	528X	Whole Blood Metals Control (Lyphocheck), Trilevel MiniPak . . . . .	78
437	Urinalysis Control (Liquichek), Level 2 . . . . .	80	529	Whole Blood Metals Control (Lyphocheck), Level 3 . . . . .	78
438	Urine Toxicology Control (Liquichek), Level S1E . . . . .	74	544	Ethanol/Ammonia Control (Liquichek), Level 1 (3 mL) . . . . .	32
439	Urine Toxicology Control (Liquichek), Level S2E . . . . .	74	545	Ethanol/Ammonia Control (Liquichek), Level 2 (3 mL) . . . . .	32
441	Urine Toxicology Control (Liquichek), Level C1 . . . . .	77	545X	Ethanol/Ammonia Control (Liquichek), Trilevel MiniPak (3 mL) . . . . .	32
442	Urine Toxicology Control (Liquichek), Level C2 . . . . .	77	546	Ethanol/Ammonia Control (Liquichek), Level 3 (3 mL) . . . . .	32
443	Urine Toxicology Control (Liquichek), Level C3 . . . . .	77	547	Tumor Marker Control (Liquichek), Level 1 (2 mL) . . . . .	54
444	Urine Toxicology Control (Liquichek), Level C4 . . . . .	77	548	Tumor Marker Control (Liquichek), Level 2 (2 mL) . . . . .	54
449	Hematology Control (S) (Liquichek), Trilevel . . . . .	48	548X	Tumor Marker Control (Liquichek), Trilevel MiniPak (2 mL) . . . . .	54
449X	Hematology Control (S) (Liquichek), Trilevel MiniPak . . . . .	48	549	Tumor Marker Control (Liquichek), Level 3 (2 mL) . . . . .	54
450	Therapeutic Drug Monitoring Control (TDM) (Lyphocheck), Trilevel . . . . .	70	553	Hemoglobin A <sub>2</sub> Control (Lyphocheck), Bilevel . . . . .	38
450X	Therapeutic Drug Monitoring Control (TDM) (Lyphocheck), Trilevel MiniPak . . . . .	70	553X	Hemoglobin A <sub>2</sub> Control (Lyphocheck), Bilevel MiniPak . . . . .	38
451	Therapeutic Drug Monitoring Control (TDM) (Lyphocheck), Level 1 . . . . .	70	560X	Whole Blood Control (Lyphocheck), Trilevel MiniPak . . . . .	79
452	Therapeutic Drug Monitoring Control (TDM) (Lyphocheck), Level 2 . . . . .	70	561	Whole Blood Control (Lyphocheck), Level 1 . . . . .	79
453	Therapeutic Drug Monitoring Control (TDM) (Lyphocheck), Level 3 . . . . .	70	562	Whole Blood Control (Lyphocheck), Level 2 . . . . .	79
454	Qualitative Urine Toxicology Control (Liquichek), Negative Level . . . . .	72	563	Whole Blood Control (Lyphocheck), Level 3 . . . . .	79
454X	Qualitative Urine Toxicology Control (Liquichek), Bilevel MiniPak . . . . .	72	570X	Blood Gas Control (Liquichek), Trilevel MiniPak . . . . .	27
455	Qualitative Urine Toxicology Control (Liquichek), Positive Level . . . . .	72	571	Blood Gas Control (Liquichek), Level 1 . . . . .	27
456	Drug Free Serum (Lyphocheck) . . . . .	78	572	Blood Gas Control (Liquichek), Level 2 . . . . .	27
456X	Drug Free Serum (Lyphocheck), MiniPak . . . . .	78	573	Blood Gas Control (Liquichek), Level 3 . . . . .	27
460	Urine Toxicology Negative Control (Liquichek) . . . . .	72	575X	Blood Gas Plus E Control (Liquichek), Trilevel MiniPak . . . . .	27
460X	Urine Toxicology Negative Control (Liquichek), MiniPak . . . . .	72	576	Blood Gas Plus E Control (Liquichek), Level 1 . . . . .	27
461	Urine Toxicology Control (Liquichek), Level S1 . . . . .	74	577	Blood Gas Plus E Control (Liquichek), Level 2 . . . . .	27
			578	Blood Gas Plus E Control (Liquichek), Level 3 . . . . .	27
			587	Blood Gas Ampule Breaker . . . . .	81
			588	Dispenser Tips for Crimp Seals . . . . .	81
			590X	Immunology Control (Liquichek), Trilevel MiniPak (1 mL) . . . . .	58
			591	Immunology Control (Liquichek), Level 1 (1 mL) . . . . .	58
			592	Immunology Control (Liquichek), Level 2 (1 mL) . . . . .	58
			593	Immunology Control (Liquichek), Level 3 (1 mL) . . . . .	58

594	Immunology Control (Liquichek), Level 1 (3 mL) . . . . .	58	750X	Spinal Fluid Control (Liquichek), Bilevel MiniPak (3 mL) . . . . .	60
595	Immunology Control (Liquichek), Level 2 (3 mL) . . . . .	58	751	Spinal Fluid Control (Liquichek), Level 1 (3 mL) . . . . .	60
596	Immunology Control (Liquichek), Level 3 (3 mL) . . . . .	58	752	Spinal Fluid Control (Liquichek), Level 2 (3 mL) . . . . .	60
597	Hemostasis Control (Lyphocheck), Level 1 . . . . .	37	760	Hematology-16 Control (Liquichek), Trilevel . . . . .	50
598	Hemostasis Control (Lyphocheck), Level 2 . . . . .	37	760X	Hematology-16 Control (Liquichek), Trilevel MiniPak . . . . .	50
598X	Hemostasis Control (Lyphocheck), Trilevel MiniPak . . . . .	37	761	Hematology-16 Control (Liquichek), Low . . . . .	50
599	Hemostasis Control (Lyphocheck), Level 3 . . . . .	37	762	Hematology-16 Control (Liquichek), Normal . . . . .	50
	<b>600</b>		763	Hematology-16 Control (Liquichek), High . . . . .	50
600	Hypertension Markers Control (Lyphocheck), Trilevel . . . . .	57		<b>800</b>	
600X	Hypertension Markers Control (Lyphocheck), Trilevel MiniPak . . . . .	57	804	Unity Real Time Installation Package . . . . .	5, 6
636	Maternal Serum 1st Trimester Control (Liquichek), Trilevel . . . . .	56	804-1	Unity Real Time (Annual Subscription) . . . . .	4, 6
636X	Maternal Serum 1st Trimester Control (Liquichek), Trilevel MiniPak . . . . .	56	804-W1	Unity Real Time online (Annual Subscription) . . . . .	4, 6
640X	Lipids Control (Liquichek), Bilevel MiniPak . . . . .	33	805-1	Unity Real Time LT . . . . .	4, 5
641	Lipids Control (Liquichek), Level 1 . . . . .	33	806-1	Unity Alert (Annual Subscription) . . . . .	7
642	Lipids Control (Liquichek), Level 2 . . . . .	33	811-1	Westgard Advisor (Annual Subscription) . . . . .	4, 7
663	Benzo/TCA Control Set B (Lyphocheck), Level 1 . . . . .	78	820-1	UnityConnect (Annual Subscription) . . . . .	4, 6
664	Benzo/TCA Control Set B (Lyphocheck), Level 2 . . . . .	78	825i	Unity Remote Installation & Training . . . . .	5, 6, 7
665X	Benzo/TCA Control Set B (Lyphocheck), Bilevel MiniPak . . . . .	78	826	Reticulocyte Control (C) (Liquichek), Level 1 . . . . .	47
670X	CK/LD Isoenzyme Control (Liquichek), Bilevel MiniPak . . . . .	29	827	Reticulocyte Control (C) (Liquichek), Level 2 . . . . .	47
671	CK/LD Isoenzyme Control (Liquichek), Level 1 . . . . .	29	827X	Reticulocyte Control (C) (Liquichek), Trilevel MiniPak . . . . .	47
672	CK/LD Isoenzyme Control (Liquichek), Level 2 . . . . .	29	828	Reticulocyte Control (C) (Liquichek), Level 3 . . . . .	47
683	Urine Toxicology Control (Liquichek), Level S10 Low Opiate . . . . .	75	854	Reticulocyte Control (A) (Liquichek), Level 1 . . . . .	46
690X	Unassayed Chemistry Control (Human) (Liquichek), Bilevel MiniPak . . . . .	32	855	Reticulocyte Control (A) (Liquichek), Level 2 . . . . .	46
691	Unassayed Chemistry Control (Human) (Liquichek), Level 1 . . . . .	32	855X	Reticulocyte Control (A) (Liquichek), Bilevel MiniPak . . . . .	46
692	Unassayed Chemistry Control (Human) (Liquichek), Level 2 . . . . .	32	858i	Additional Software Training . . . . .	5, 6, 7
694	Liquid Assayed Multiquel, Level 1 (3 mL) . . . . .	30	865	Hematology Control (A) (Liquichek), Trilevel . . . . .	46
695	Liquid Assayed Multiquel, Level 2 (3 mL) . . . . .	30	865X	Hematology Control (A) (Liquichek), Trilevel MiniPak . . . . .	46
695X	Liquid Assayed Multiquel, Trilevel MiniPak (3 mL) . . . . .	30	866	Hematology Control (A) (Liquichek), Low . . . . .	46
696	Liquid Assayed Multiquel, Level 3 (3 mL) . . . . .	30	867	Hematology Control (A) (Liquichek), Normal . . . . .	46
697	Liquid Unassayed Multiquel, Level 1 . . . . .	30	868	Hematology Control (A) (Liquichek), High . . . . .	46
698	Liquid Unassayed Multiquel, Level 2 . . . . .	30	870-1	UnityWeb (Annual Subscription) . . . . .	5
698X	Liquid Unassayed Multiquel, Trilevel MiniPak . . . . .	30	870-W1	WebConnect (Annual Subscription) . . . . .	5
699	Liquid Unassayed Multiquel, Level 3 . . . . .	30		<b>900</b>	
	<b>700</b>		904	Hematology Control (C) (Liquichek), Trilevel . . . . .	47
706	Urine Toxicology Control (Liquichek), Level S20 Low Opiate . . . . .	75	904X	Hematology Control (C) (Liquichek), Trilevel MiniPak . . . . .	47
724	Therapeutic Drug Monitoring Control (TDM) (Liquichek), Trilevel . . . . .	70	905	Hematology Control (C) (Liquichek), Low . . . . .	47
724X	Therapeutic Drug Monitoring Control (TDM) (Liquichek), Trilevel MiniPak . . . . .	70	906	Hematology Control (C) (Liquichek), Normal . . . . .	47
725	Therapeutic Drug Monitoring Control (TDM) (Liquichek), Level 1 . . . . .	70	907	Hematology Control (C) (Liquichek), High . . . . .	47
726	Therapeutic Drug Monitoring Control (TDM) (Liquichek), Level 2 . . . . .	70	915X	Reticulocyte Control (A-I) (Liquichek), Bilevel MiniPak . . . . .	46
727	Therapeutic Drug Monitoring Control (TDM) (Liquichek), Level 3 . . . . .	70	916	Reticulocyte Control (A-I) (Liquichek), Level 1 . . . . .	46
730X	Unassayed Chemistry Control (Human) (Lyphocheck), Bilevel MiniPak (5 mL) . . . . .	31	917	Reticulocyte Control (A-I) (Liquichek), Level 2 . . . . .	46
731	Unassayed Chemistry Control (Human) (Lyphocheck), Level 1 (5 mL) . . . . .	31	921	Reticulocyte Control (S) (Liquichek), Level 1 . . . . .	48
732	Unassayed Chemistry Control (Human) (Lyphocheck), Level 2 (5 mL) . . . . .	31	922	Reticulocyte Control (S) (Liquichek), Level 2 . . . . .	48
740	Diabetes Control (Lyphocheck), Bilevel . . . . .	38	922X	Reticulocyte Control (S) (Liquichek), Trilevel MiniPak . . . . .	48
740X	Diabetes Control (Lyphocheck), Bilevel MiniPak . . . . .	38	923	Reticulocyte Control (S) (Liquichek), Level 3 . . . . .	48
744	Coagulation Control (Lyphocheck), Level 1 . . . . .	37	926	Reticulocyte Control (X) (Liquichek), Level 1 . . . . .	49
745	Coagulation Control (Lyphocheck), Level 2 . . . . .	37	927	Reticulocyte Control (X) (Liquichek), Level 2 . . . . .	49
745X	Coagulation Control (Lyphocheck), Trilevel MiniPak . . . . .	37	927X	Reticulocyte Control (X) (Liquichek), Trilevel MiniPak . . . . .	49
746	Coagulation Control (Lyphocheck), Level 3 . . . . .	37	928	Reticulocyte Control (X) (Liquichek), Level 3 . . . . .	49
			962	qUAntify Plus Control, Bilevel, Bottle . . . . .	80
			962X	qUAntify Plus Control, Bilevel MiniPak, Bottle . . . . .	80
			963	qUAntify Plus Control, Level 1, Bottle . . . . .	80
			964	qUAntify Plus Control, Level 2, Bottle . . . . .	80
			970	Meter Trax Control, Trilevel . . . . .	39
			970X	Meter Trax Control, Trilevel MiniPak . . . . .	39
			971	Meter Trax Control, Low Level . . . . .	39
			972	Meter Trax Control, Mid Level . . . . .	39
			973	Meter Trax Control, High Level . . . . .	39
			995	qUAntify Plus Control, Bilevel . . . . .	80
			995X	qUAntify Plus Control, Bilevel MiniPak . . . . .	80
			98700	Dispenser Tips for Screw Caps . . . . .	81

	<b>00100</b>	
00100A	VIROTROL I (5 mL) . . . . .	62
00100B	VIROTROL I (5 mL) . . . . .	62
00100C	VIROTROL I (5 mL) . . . . .	62
00100E	VIROTROL I (5 mL) . . . . .	62
00100F	VIROTROL I (5 mL) . . . . .	62
00100G	VIROTROL I (5 mL) . . . . .	62
00100H	VIROTROL I (5 mL) . . . . .	62
00101B	VIROTROL I (4 mL) . . . . .	62
00101C	VIROTROL I (4 mL) . . . . .	62
00101E	VIROTROL I (4 mL) . . . . .	62
00101F	VIROTROL I (4 mL) . . . . .	62
00102B	VIROTROL I (20 mL) . . . . .	62
00102C	VIROTROL I (20 mL) . . . . .	62
00104A	VIROTROL II (5 mL) . . . . .	62
00104B	VIROTROL II (5 mL) . . . . .	62
00105A	VIROTROL HIV-2 . . . . .	64
00105B	VIROTROL HIV-2 . . . . .	64
00105C	VIROTROL HIV-2 . . . . .	64
00106	VIROCLEAR (5 mL) . . . . .	65
00108A	VIROTROL HIV-1 Ag . . . . .	63
00108B	VIROTROL HIV-1 Ag . . . . .	63
00109	VIROTROL ToRCH . . . . .	63
00110A	VIROTROL III . . . . .	63
00110C	VIROTROL III . . . . .	63
00111	VIROTROL IV . . . . .	63
00112	VIROCLEAR (4 mL) . . . . .	65
00113	VIROTROL HIV-1 gO (4 tubes) . . . . .	64
00113X	VIROTROL HIV-1 gO (1 tube) . . . . .	64
00115A	VIROTROL II (4 mL) . . . . .	62
00115B	VIROTROL II (4 mL) . . . . .	62
00116	VIROTROL WNV . . . . .	69
00117A	VIROTROL ToRCH-M . . . . .	65
00117B	VIROTROL ToRCH-M . . . . .	65
00118	VIROCLEAR ToRCH . . . . .	66
00119	VIROTROL MuMZ . . . . .	66
00121	PyloriTrol . . . . .	69
00125	VIROTROL Chagas . . . . .	68
00125X	VIROTROL Chagas . . . . .	68
00128A	VIROTROL EBV . . . . .	68
00129	PneumoTrol . . . . .	67
00131	VIROCLEAR EBV . . . . .	69
00132	VIROTROL Lyme . . . . .	69
00133	VIROCLEAR MuMZ . . . . .	66
00142A	VIROTROL HAV-IgM . . . . .	64
00144	VIROTROL HBeAg . . . . .	64
00152	Assayed VIROTROL II-B . . . . .	63
00164	Assayed VIROTROL I-C . . . . .	62
00166	Assayed VIROTROL I-E . . . . .	62
00168	Assayed VIROTROL I-F . . . . .	62
00171	VIROTROL Syphilis LR-A . . . . .	68
00171X	VIROTROL Syphilis LR-A . . . . .	68
01400	VIROTROL RPR Panel . . . . .	68
	<b>27000</b>	
27100	D-dimer Control (Liquichek), Level Low . . . . .	37
27101	D-dimer Control (Liquichek), Level 1 . . . . .	37
27102	D-dimer Control (Liquichek), Level 2 . . . . .	37
27102X	D-dimer Control (Liquichek), Four Level MiniPak . . . . .	37
27103	D-dimer Control (Liquichek), Level 3 . . . . .	37
27104	Cardiac Markers Plus Control LT (Liquichek), Level 1A (3 mL) . . . . .	28
27104X	Cardiac Markers Plus Control LT (Liquichek), Level 1A MiniPak (3 mL) . . . . .	28
27105	Cardiac Markers Plus Control LT (Liquichek), Level 1B (3 mL) . . . . .	28
27105X	Cardiac Markers Plus Control LT (Liquichek), Level 1B MiniPak (3 mL) . . . . .	28
27106	Cardiac Markers Plus Control LT (Liquichek), Level 1C (3 mL) . . . . .	28
27106X	Cardiac Markers Plus Control LT (Liquichek), Level 1C MiniPak (3 mL) . . . . .	28
27110	Immunoassay Premium Control (Liquichek), Trilevel . . . . .	57
27110X	Immunoassay Premium Control (Liquichek), Level 1 . . . . .	57
27111	Immunoassay Premium Control (Liquichek), Level 2 . . . . .	57
27112	Immunoassay Premium Control (Liquichek), Level 3 . . . . .	57
27113	Immunoassay Premium Control (Liquichek), Trilevel MiniPak . . . . .	57
27114	Tumor Marker Control (Liquichek), Level 1 (2 mL) . . . . .	54
27115	Tumor Marker Control (Liquichek), Level 2 (2 mL) . . . . .	54
27115X	Tumor Marker Control (Liquichek), Trilevel MiniPak (2 mL) . . . . .	54
27116	Tumor Marker Control (Liquichek), Level 3 (2 mL) . . . . .	54
27124	Specialty Immunoassay Control (Lyphocheck), Level 1 . . . . .	55
27125	Specialty Immunoassay Control (Lyphocheck), Level 2 . . . . .	55
27125X	Specialty Immunoassay Control (Lyphocheck), Trilevel MiniPak . . . . .	55
27126	Specialty Immunoassay Control (Lyphocheck), Level 3 . . . . .	55
	<b>200000</b>	
200300A	VIROTROL SARS-CoV-2 . . . . .	67
200300B	VIROTROL SARS-CoV-2 . . . . .	67
200305A	VIROTROL SARS-CoV-2 . . . . .	67
200305B	VIROTROL SARS-CoV-2 . . . . .	67
200500	VIROCLEAR SARS-CoV-2 . . . . .	67
200505	VIROCLEAR SARS-CoV-2 . . . . .	67
	<b>1100000</b>	
1100002	Bio-Rad Mission: Control, Annual Subscription . . . . .	7
1100005	Bio-Rad Mission: Control, Subscription and Service Bundle . . . . .	7
	<b>12000000</b>	
12000070	Hemoglobin A1C Linearity Set (Lyphocheck) . . . . .	39
12000141	Allergen sIgE Control (Lyphocheck), Negative . . . . .	60
12000142	Allergen sIgE Control (Lyphocheck), Panel A . . . . .	60
12000143	Allergen sIgE Control (Lyphocheck), Negative MiniPak . . . . .	60
12000144	Allergen sIgE Control (Lyphocheck), Panel A MiniPak . . . . .	60
12000201	Amplichek II, Negative . . . . .	23
12000202	Amplichek II, Level 1 . . . . .	23
12000203	Amplichek II, Level 2 . . . . .	23
12000204	Amplichek II, Level 3 . . . . .	23
12000404	Whole Blood Immunosuppressant Control (Liquichek), Level 1 . . . . .	71
12000405	Whole Blood Immunosuppressant Control (Liquichek), Level 2 . . . . .	71
12000406	Whole Blood Immunosuppressant Control (Liquichek), Level 3 . . . . .	71
12000407	Whole Blood Immunosuppressant Control (Liquichek), Level 4 . . . . .	71
12000408	Whole Blood Immunosuppressant Control (Liquichek), Four Level MiniPak . . . . .	71
12000538	VIROTROL PLUS-R (5 x 4 mL) . . . . .	64
12000539	VIROTROL PLUS-R (1 x 4 mL) . . . . .	64
12000575	Amplichek II, Negative MiniPak . . . . .	23
12000576	Amplichek II, Level 1 MiniPak . . . . .	23
12000577	Amplichek II, Level 2 MiniPak . . . . .	23
12000578	Amplichek II, Level 3 MiniPak . . . . .	23
12000810	Urinalysis Program (EQAS) . . . . .	44
12000815	HIV/Hepatitis Program (EQAS) . . . . .	42
12000825	ToRCH/EBV/MuMZ Program (EQAS) . . . . .	44
12000833	Syphilis/Chagas Program (EQAS) . . . . .	43
12000837	Blood Typing Program (EQAS), Shipment A . . . . .	40
12000838	Blood Typing Program (EQAS), Shipment B . . . . .	40

12000839	Blood Typing Program (EQAS), Shipment C	40	12009966	Cardiac Markers Plus Control LT, (InteliQ), Level 1C MiniPak	9
12000846	Quality Control Tray	81	12009995	Urine Chemistry Control (InteliQ), Level 1	12
12001084	Cardiac Troponins Control (Liquichek), Level 1	28	12009996	Urine Chemistry Control (InteliQ), Level 2	12
12001085	Cardiac Troponins Control (Liquichek), Level 1 MiniPak	28	12009997	Urine Chemistry Control (InteliQ), Bilevel MiniPak	12
12002594	Opiate Control (Liquichek), Level 1 MiniPak	73	12011308	Diabetes Control (Liquichek), Level 1 (2 mL)	38
12002595	Opiate Control (Liquichek), Level 2 MiniPak	73	12011309	Diabetes Control (Liquichek), Level 2 (2 mL)	38
12004309	Homocysteine Control (InteliQ), Level 1	10	12011310	Diabetes Control (Liquichek), Level 3 (2 mL)	38
12004310	Homocysteine Control (InteliQ), Level 2	10	12011331	Diabetes Control (Liquichek), Trilevel MiniPak (2 mL)	38
12004311	Homocysteine Control (InteliQ), Level 3	10	12011334	Diabetes Control (Liquichek), Trilevel MiniPak (1 mL)	38
12004312	Homocysteine Control (InteliQ), Trilevel MiniPak	10	12011343	Diabetes Control (Liquichek), Level 1 (1 mL)	38
12005786	Opiate Control (Liquichek), Level 1	73	12011344	Diabetes Control (Liquichek), Level 2 (1 mL)	38
12005787	Opiate Control (Liquichek), Level 2	73	12011345	Diabetes Control (Liquichek), Level 3 (1 mL)	38
12006239	Cardiac Troponins Control (Liquichek), Level 2	28	12012693	Serum Indices (Liquichek), Hemolysis	36
12006327	AMH Control (Liquichek), Trilevel	56	12012694	Serum Indices (Liquichek), Icterus	36
12006369	Cardiac Troponins Control (Liquichek), Level 3	28	12012695	Serum Indices (Liquichek), Lipemia	36
12006370	Cardiac Troponins Control (Liquichek), Level 2 MiniPak	28	12012696	Serum Indices (Liquichek), Non-interfered	36
12006371	Cardiac Troponins Control (Liquichek), Level 3 MiniPak	28	12012697	Serum Indices (Liquichek), Hemolysis MiniPak	36
12007028	qUAntify Advance, Bilevel	80	12012698	Serum Indices (Liquichek), Icterus MiniPak	36
12007029	qUAntify Advance, Bilevel MiniPak	80	12012699	Serum Indices (Liquichek), Lipemia MiniPak	36
12008256	Assayed Multiquel Control (InteliQ), Level 1	9	12012700	Serum Indices (Liquichek), Non-interfered MiniPak	36
12008257	Assayed Multiquel Control (InteliQ), Level 2	9	12013881	VIROTROL SARS-CoV	67
12008258	Assayed Multiquel Control (InteliQ), Level 3	9	12013883	VIROCLEAR SARS-CoV	67
12008259	Assayed Multiquel Control (InteliQ), Trilevel MiniPak	9		<b>B</b>	
12008276	Specialty Immunoassay Control (InteliQ), Level LTA	12	BC10	TDM Program (EQAS)	43
12008277	Specialty Immunoassay Control (InteliQ), Level 1	12	BC23	Serum Proteins Program (EQAS)	43
12008278	Specialty Immunoassay Control (InteliQ), Level 2	12	BC31	Blood Gas Program (EQAS)	40
12008279	Specialty Immunoassay Control (InteliQ), Level 3	12	BC34	Coagulation Program (EQAS)	40
12008280	Specialty Immunoassay Control (InteliQ), Four Level MiniPak	12	BC35	Ethanol/Ammonia Program (EQAS)	41
12008289	Tumor Marker Control (InteliQ), Level 1	12	BC39	Cardiac Markers Program (EQAS)	40
12008290	Tumor Marker Control (InteliQ), Level 2	12	BC45	Urine Chemistry Program (EQAS)	44
12008291	Tumor Marker Control (InteliQ), Level 3	12	BC47	Lipids Program (EQAS)	43
12008292	Tumor Marker Control (InteliQ), Trilevel MiniPak	12	BC50	Clinical Chemistry (Monthly) Program (EQAS)	41
12008299	Ethanol/Ammonial Control (InteliQ), Level 1	10	BC75	Immunoassay (Monthly) Program (EQAS)	42
12008300	Ethanol/Ammonial Control (InteliQ), Level 2	10	BC80	Hemoglobin Program (EQAS)	42
12008301	Ethanol/Ammonial Control (InteliQ), Level 3	10	BC90A	Hematology Program (EQAS), Shipment A	41
12008302	Ethanol/Ammonial Control (InteliQ), Trilevel MiniPak	10	BC90B	Hematology Program (EQAS), Shipment B	41
12008309	Diabetes Control (InteliQ), Level 1	10	BC90C	Hematology Program (EQAS), Shipment C	41
12008310	Diabetes Control (InteliQ), Level 2	10	BC90D	Hematology Program (EQAS), Shipment D	41
12008311	Diabetes Control (InteliQ), Level 3	10		<b>C</b>	
12008312	Diabetes Control (InteliQ), Trilevel MiniPak	10	C-310-5	Assayed Chemistry Control (Lyphochek), Level 1	31
12009941	Immunology Control (InteliQ), Level 1	11	C-315-5	Assayed Chemistry Control (Lyphochek), Level 2	31
12009942	Immunology Control (InteliQ), Level 2	11	C-320-10	Unassayed Chemistry Control (Human) (Lyphochek), Level 1 (10 mL)	31
12009943	Immunology Control (InteliQ), Level 3	11	C-325-10	Unassayed Chemistry Control (Human) (Lyphochek), Level 2 (10 mL)	31
12009944	Immunology Control (InteliQ), Trilevel MiniPak	11			
12009948	Immunoassay Plus Control (InteliQ), Level 1	11			
12009949	Immunoassay Plus Control (InteliQ), Level 2	11			
12009950	Immunoassay Plus Control (InteliQ), Level 3	11			
12009941	Immunoassay Plus Control (InteliQ), Trilevel MiniPak	11			
12009955	Cardiac Markers Plus Control LT, (InteliQ), Level 1	9			
12009956	Cardiac Markers Plus Control LT, (InteliQ), Level 2	9			
12009957	Cardiac Markers Plus Control LT, (InteliQ), Level 3	9			
12009958	Cardiac Markers Plus Control LT, (InteliQ), Level 1A	9			
12009959	Cardiac Markers Plus Control LT, (InteliQ), Level 1B	9			
12009960	Cardiac Markers Plus Control LT, (InteliQ), Level 1C	9			
12009961	Cardiac Markers Plus Control LT, (InteliQ), Level 1 MiniPak	9			
12009962	Cardiac Markers Plus Control LT, (InteliQ), Level 2 MiniPak	9			
12009963	Cardiac Markers Plus Control LT, (InteliQ), Level 3 MiniPak	9			
12009964	Cardiac Markers Plus Control LT, (InteliQ), Level 1A MiniPak	9			
12009965	Cardiac Markers Plus Control LT, (InteliQ), Level 1B MiniPak	9			

## Exact Diagnostics

ADVH102	Adenovirus High Run Control (Exact Diagnostics) . . . . .	14	HIVAMR	HIV-1 Analytical Measurement Range Panel (Exact Diagnostics) . . . . .	17
ADVL101	Adenovirus Low Run Control (Exact Diagnostics) . . . . .	14	HIVB200	HIV-1 Verification Bundle (Exact Diagnostics) . . . . .	17
ADVP100	Adenovirus Verification Panel (Exact Diagnostics) . . . . .	14	HIVH102	HIV-1 High Run Control (Exact Diagnostics) . . . . .	17
AMRP100	Analytical Measurement Range Bundle (Exact Diagnostics) . . . . .	16	HIVL101	HIV-1 Low Run Control (Exact Diagnostics) . . . . .	17
ANARC	Anaplasma Run Control (Exact Diagnostics) . . . . .	25	HIVP100	HIV-1 Verification Panel (Exact Diagnostics) . . . . .	17
B19H102	Parvovirus B19 High Run Control (Exact Diagnostics) . . . . .	14	HIVP200	HIV-1 Verification Panel (Exact Diagnostics) . . . . .	17
B19L101	Parvovirus B19 Low Run Control (Exact Diagnostics) . . . . .	14	HIVQP200	Verification Panel (Exact Diagnostics) . . . . .	17
B19P100	Parvovirus B19 Verification Panel (Exact Diagnostics) . . . . .	14	HIVQB200	Verification Bundle (Exact Diagnostics) . . . . .	17
BABRC	Babesia Run Control (Exact Diagnostics) . . . . .	25	HIVSCREEN	HIV-1 RNA Screen Control (Exact Diagnostics) . . . . .	22
BKVB201	BKV Verification Bundle (Exact Diagnostics) . . . . .	14	HPV16C	HPV Genotype 16 (Exact Diagnostics) . . . . .	19
BKVH102	BKV High Run Control (Exact Diagnostics) . . . . .	14	HPV18C	HPV Genotype 18 (Exact Diagnostics) . . . . .	19
BKVL101	BKV Low Run Control (Exact Diagnostics) . . . . .	14	HPV68C	HPV Genotype 68 (Exact Diagnostics) . . . . .	19
BKVP100	BKV Verification Panel (Exact Diagnostics) . . . . .	14	HPVB200	HPV Verification Bundle (Exact Diagnostics) . . . . .	19
BKVP200	BKV Verification Panel (Exact Diagnostics) . . . . .	14	HPVNEG	HPV Negative Control (Exact Diagnostics) . . . . .	19
BORRC	Borrelia Run Control (Exact Diagnostics) . . . . .	26	HPVP100	HPV Control Set (Exact Diagnostics) . . . . .	19
BRTRC	Bartonella Run Control (Exact Diagnostics) . . . . .	26	HPVP200	HPV Verification Panel (Exact Diagnostics) . . . . .	19
CDFB200	<i>C. difficile</i> Verification Bundle (Exact Diagnostics) . . . . .	23	HSV1H102	HSV-1 High Run Control (Exact Diagnostics) . . . . .	20
CMVB200	CMV Verification Bundle (Exact Diagnostics) . . . . .	15	HSV1L101	HSV-1 Low Run Control (Exact Diagnostics) . . . . .	20
CMVH102	CMV High Run Control (Exact Diagnostics) . . . . .	15	HSV1P100	HSV-1 Verification Panel (Exact Diagnostics) . . . . .	20
CMVL101	CMV Low Run Control (Exact Diagnostics) . . . . .	15	HSV2B200	HSV-2 Verification Bundle (Exact Diagnostics) . . . . .	20
CMVP100	CMV Verification Panel (Exact Diagnostics) . . . . .	15	HSV2H102	HSV-2 High Run Control (Exact Diagnostics) . . . . .	20
CMVP200	CMV Verification Panel (Exact Diagnostics) . . . . .	15	HSV2L101	HSV-2 Low Run Control (Exact Diagnostics) . . . . .	20
COV000	SARS-CoV-2 (Negative) (Exact Diagnostics) . . . . .	24	HSV2P100	HSV-2 Verification Bundle (Exact Diagnostics) . . . . .	20
COV000CE	SARS-CoV-2 (Negative Run Control) (Exact Diagnostics) . . . . .	24	HSVB200	HSV-1 Verification Bundle (Exact Diagnostics) . . . . .	20
COV019	SARS-CoV-2 (Standard) (Exact Diagnostics) . . . . .	24	HV6AP100	HHV-6A Verification Panel (Exact Diagnostics) . . . . .	16
COV019CE	SARS-CoV-2 (Positive Run Control) (Exact Diagnostics) . . . . .	24	HV6BP100	HHV-6B Verification Panel (Exact Diagnostics) . . . . .	16
COVA	SARS-CoV-2 S Gene Alpha Variant Control . . . . .	25	HV6H102	HHV-6 High Run Control (Exact Diagnostics) . . . . .	16
COVB	SARS-CoV-2 S Gene Beta Variant Control . . . . .	25	HV6L101	HHV-6 Low Run Control (Exact Diagnostics) . . . . .	16
COVDK	SARS-CoV-2 S Gene Delta-Kappa Variant Control . . . . .	25	JCVH102	JCV Verification Panel (Exact Diagnostics) . . . . .	16
COVE	SARS-CoV-2 S Gene Epsilon Variant Control . . . . .	25	JCVL101	JCV Low Run Control (Exact Diagnostics) . . . . .	16
COVG	SARS-CoV-2 S Gene Gamma Variant Control . . . . .	25	JCVP100	JCV Verification Panel (Exact Diagnostics) . . . . .	16
COVFLU	SARS-CoV-2, Flu, RSV Run Control (Positive) (Exact Diagnostics) . . . . .	24	MRSAB200	MRSA Verification Bundle (Exact Diagnostics) . . . . .	23
COVFLUNEG	SARS-CoV-2, Flu, RSV Run Control (Negative) (Exact Diagnostics) . . . . .	24	NEG000	Negative Control (Exact Diagnostics) . . . . .	21
CTNGB200	CT/NG Verification Panels Bundle (Exact Diagnostics) . . . . .	18	NEG050	Negative Control (Bulk) (Exact Diagnostics) . . . . .	21
CTNGRC	CT/NG Run Control (Exact Diagnostics) . . . . .	18	RPNEG	RP Negative Run Control (Exact Diagnostics) . . . . .	24
EBVB200	EBV Verification Panels Bundle (Exact Diagnostics) . . . . .	15	RPPOS	RP Positive Run Control (Exact Diagnostics) . . . . .	24
EBVH102	EBV High Run Control (Exact Diagnostics) . . . . .	15	TMGP200	TV/MG Verification Panel (Exact Diagnostics) . . . . .	20
EBVL101	EBV Low Run Control (Exact Diagnostics) . . . . .	15	TVMGB200	TV/MG Verification Bundle (Exact Diagnostics) . . . . .	20
EBVP100	EBV Verification Panel (Exact Diagnostics) . . . . .	15	VIRSCREEN	HBV, HCV and HIV-1 Screen Control (Exact Diagnostics) . . . . .	22
EBVP200	EBV Verification Panel (Exact Diagnostics) . . . . .	15	VZVH102	VZV High Run Control (Exact Diagnostics) . . . . .	22
ERLRC	Ehrlichia Run Control (Exact Diagnostics) . . . . .	26	VZVL101	VZV Low Run Control (Exact Diagnostics) . . . . .	22
EVRC	Enterovirus Control (Exact Diagnostics) . . . . .	22	VZVP100	VZV Verification Panel (Exact Diagnostics) . . . . .	22
HBVAMR	HBV Analytical Measurement Range Panel (Exact Diagnostics) . . . . .	17	ZKVH102	ZKV High Run Control (Exact Diagnostics) . . . . .	26
HBVB200	HBV Verification Panels Bundle (Exact Diagnostics) . . . . .	18	ZKVL101	ZKV Low Run Control (Exact Diagnostics) . . . . .	26
HBVH102	HBV High Run Control (Exact Diagnostics) . . . . .	18	ZKVP100	ZKV Verification Panel (Exact Diagnostics) . . . . .	26
HBVL101	HBV Low Run Control (Exact Diagnostics) . . . . .	18			
HBVP100	HBV Verification Panel (Exact Diagnostics) . . . . .	18			
HBVP200	HBV Verification Panel (Exact Diagnostics) . . . . .	18			
HBVSCREEN	HBV DNA Screen Control (Exact Diagnostics) . . . . .	22			
HCVAMR	HCV Analytical Measurement Range Panel (Exact Diagnostics) . . . . .	18			
HCVB200	HCV Verification Panels Bundle (Exact Diagnostics) . . . . .	19			
HCVGTP	HCV Genotype Panel (Exact Diagnostics) . . . . .	19			
HCVH102	HCV High Run Control (Exact Diagnostics) . . . . .	19			
HCVL101	HCV Low Run Control (Exact Diagnostics) . . . . .	19			
HCVP100	HCV Verification Panel (Exact Diagnostics) . . . . .	19			
HCVP200	HCV Verification Panel (Exact Diagnostics) . . . . .	19			
HCVSCREEN	HCV RNA Screen Control (Exact Diagnostics) . . . . .	22			

## To Order Within the United States

**By Phone**

1-800-224-6723  
Monday – Friday  
7:00 AM to 2:30 PM  
Pacific Standard Time (PST)

**By Fax**

1-510-741-6373  
or 1-800-883-1887

**By Mail**

Bio-Rad Laboratories, Inc.  
Clinical Diagnostics Group  
Customer Service  
4000 Alfred Nobel Drive  
Hercules, CA 94547

**By Email**

ask\_customer\_care@bio-rad.com

**Be Sure Your Order Includes**

Purchase order number, “ship to” address and “bill to” address, catalog number, product name, quantity required (unit and size), desired lot number and the required delivery date. Desired lot number requests can be shipped up to 30 days prior to the lot expiration. To avoid duplicate shipments, confirming orders must be clearly marked “Confirming Order/Do Not Ship.”

**Standing Orders**

As a convenience to our customers, we can set up standing orders for a specific lot of product to be shipped on scheduled dates. Shipment dates with respective quantities must be specified at the time of order. Restocking charges will apply to canceled standing orders.

**Terms of Sale**

Our terms are net due 30 days from the date of invoice. Prices are FOB shipping point. For a complete listing of terms and conditions regarding quantity, pricing, applicable taxes, delivery, discrepancies, returned goods and cancellation policies, please contact our Customer Service Department.

**For Worldwide Customers**

For service outside the United States, please refer to the inside back cover for the Bio-Rad location nearest you.

## Notice of Rights

Copyright © 2022 Bio-Rad Laboratories, Inc. All rights reserved. Printed in the United States of America. No part of this book may be reproduced, stored or transmitted in any form by any means, electronic, mechanical, optical, photocopying, recording or otherwise, without prior permission of the publisher.

## Timeliness, Errors and Omissions

The information provided in this catalog carries no express or implied warranties as to accuracy, timeliness, or appropriateness for a particular purpose. Bio-Rad Laboratories disclaims responsibility for content errors and omissions, for any allegedly infringing material, and for any damages whatsoever associated with user reliance on information provided in this catalog.

## Applicable Laws

This was published by Bio-Rad Laboratories from its offices in Irvine, California. Bio-Rad makes no representation that the information and products in this catalog are appropriate or available for use in your country, and access to such information and products from territories where such information and products are illegal is prohibited. If you choose to use this catalog, you do so on your own initiative and at your own risk, and are responsible for compliance with applicable local laws. Contact your local Bio-Rad office if you have questions regarding the availability of products listed in this catalog. These terms will be governed by and construed in accordance with the laws of the State of California, without giving effect to any principles of conflicts of laws.

## Trademarks

### Bio-Rad Laboratories

The following are trademarks of Bio-Rad Laboratories, Inc. in certain jurisdictions.

Amplichek  
Bio-Rad  
EQAS  
IntelliQ

Liquichek  
Lyphochek  
Mission: Control  
QCNet

qUAntify  
Unity  
Unity Real Time  
UnityWeb

VARIANT  
VIROCLEAR  
VIROTROL

All trademarks used herein are the property of their respective owner.



**UNITED STATES OF AMERICA**

Bio-Rad Laboratories, Inc.  
Clinical Diagnostics  
4000 Alfred Nobel Drive  
Hercules, CA 94547  
Phone: (510) 724-7000  
Toll Free (US): 1 (800) 2 BIORAD (1-800-224-6723)  
Fax: (510) 741-5800/1 (800) 879-2289 (US)  
www.bio-rad.com/qualitycontrol

**AUSTRALIA**

Bio-Rad Laboratories Pty. Ltd.  
South Granville, New South Wales  
Phone: +61 (2) 9914 2800  
Toll Free: 1800 224 354 (within Australia only)  
Fax: +61 (2) 9914 2888  
Email: Sales.Australia@bio-rad.com

**AUSTRIA**

Bio-Rad Laboratories Ges.m.b.H.  
Wien (Vienna)  
Phone: +43 (0) 1 877 89 01 9  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +43 (0) 1 876 56 29  
Email: Contact\_CentralEurope@bio-rad.com

**BELGIUM**

Bio-Rad Laboratories N.V.  
Temse  
Phone: +32 (0) 3 710 53 00  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +32 (0) 3 710 53 01  
Email: Benelux\_Contact@bio-rad.com

**BRAZIL**

Bio-Rad Laboratórios Brasil Ltda  
Santo Amaro, São Paulo  
Phone: +55 11 3065 7550  
Email: atendimento@bio-rad.com

**CANADA**

Bio-Rad Laboratories, Ltd.  
Montréal, Québec  
Phone: (514) 334 4372  
Freephone: 1 (800) 361 1808  
Fax: (514) 334 0872  
Email: cdg\_canada\_salesmarketing@bio-rad.com

**CHINA**

Bio-Rad Laboratories (Shanghai) Co. Ltd.  
Shanghai  
Phone: +86 21 6169 8500  
Fax: +86 21 6169 8599  
Email: Sales.China@bio-rad.com

**CZECH REPUBLIC**

Bio-Rad spol, s.r.o.  
Prague  
Phone: +36 1 459 6192  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +420 241 431 6602  
Email: Logistika\_CZ@bio-rad.com

**DENMARK**

Bio-Rad Laboratories  
Copenhagen  
Phone: +46 844 98051 / +45 44 52 10 00  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +45 44 52 10 01  
Email: denmark@bio-rad.com

**FINLAND**

Bio-Rad Finland Oy  
Helsinki  
Phone: 00 800 00 246 723 / 09 804 22 00  
Fax: +358 (0)9 7597 5010  
Email: finland@bio-rad.com

**FRANCE**

Bio-Rad  
Marnes-la-Coquette  
Phone: +33 (0) 1 47 95 93 00  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +33 (0) 1 47 95 61 45  
Email: Contact\_France@bio-rad.com

**GERMANY**

Bio-Rad Laboratories GmbH  
Feldkirchen  
Phone: +49 89 3188 4393  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +49 (0)89 31884 100  
Contact\_CentralEurope@bio-rad.com

**GREECE**

Bio-Rad Laboratories M.E.P.E.  
Athens  
Phone: +30 210 7774396  
Fax: +30 210 7774376

**HONG KONG**

Bio-Rad Pacific Ltd.  
Quarry Bay  
Phone: +85 2 2789 3300  
Fax: +85 2 2789 1257  
Email: Sales.HongKong@bio-rad.com

**HUNGARY**

Bio-Rad Hungary Ltd.  
Budapest  
Phone: +36 1 459 6190  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +36 1 459 6101  
Email: Info\_Hungary@bio-rad.com

**INDIA**

Bio-Rad Laboratories (India) Pvt. Ltd.  
Gurugram, Haryana  
Phone: 91 124 4029300  
Fax: +91 124 2398115  
Email: sales.india@bio-rad.com

**ISRAEL**

Bio-Rad Laboratories Ltd.  
Rishon Le Zion  
Phone: +972 3 963 6050  
Fax: +972 3 951 4129  
Email: isreal\_cdg@bio-rad.com

**ITALY**

Bio-Rad Laboratories S.r.l.  
Milan  
Phone: +39 02 216091  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +39 02 21609553  
Email: contact\_italy@bio-rad.com

**JAPAN**

Bio-Rad Laboratories K.K.  
Tokyo  
Phone: +81 3 6361 7070  
Fax: +81 3 5463 8481  
Email: diag-jp@bio-rad.com

**KOREA**

Bio-Rad Korea Ltd.  
Seoul  
Phone: +82 080 007 73730  
Fax: +82 (2) 3472 7003  
Email: Sales.Korea@bio-rad.com

**MEXICO**

Bio-Rad, S.A.  
Mexico City  
Phone: +52 (55) 5488-7670  
Fax: +52 (55) 1107-7246  
Email: cdg\_mexico@bio-rad.com

**THE NETHERLANDS**

Bio-Rad Laboratories B.V.  
Veenedaai  
Phone: +31 (0) 318 540 666  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +31 (0)318 542216  
Email: Benelux\_Contact@bio-rad.com

**NEW ZEALAND**

Bio-Rad New Zealand  
Auckland  
Phone: +64 (9) 415 2280  
Toll Free: 0508 805 500 (within New Zealand only)  
Fax: +64 (9) 415 2284  
Email: Sales.NZ@bio-rad.com

**NORWAY**

Bio-Rad Laboratories  
Oslo  
Phone: +46 844 98052 / +47 23 38 41 30  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +47 23 38 41 39  
Email: norway@bio-rad.com

**POLAND**

Bio-Rad Polska Sp. z o.o.  
Warsaw  
Phone: +48 22 331 99 81  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +48 22 331 99 88  
Email: Logistyka\_PL@bio-rad.com

**PORTUGAL**

Bio-Rad Laboratories, Lda.  
Amadora  
Phone: +351 214 727 700  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +351 214 727 7777  
Email: customerservice\_portugal@bio-rad.com

**RUSSIA**

Bio-Rad Laboratorii  
Moscow  
Phone: +7 495 721 1404  
Fax: +7 495 721 1412  
Email: info\_russia@bio-rad.com

**SINGAPORE**

Bio-Rad Laboratories (Singapore) Pte. Ltd.  
Phone: +65 6415 3170  
Fax: +65 6415 3189  
Email: sales.singapore@bio-rad.com

**SOUTH AFRICA**

Bio-Rad Laboratories (Pty) Ltd.  
Johannesburg  
Phone: +27 11 442 8508 / +27 10 055 8040  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +27 11 442 8525  
Email: CDG\_TechSupport\_EEMEA@bio-rad.com

**SPAIN**

Bio-Rad Laboratories, S.A.  
Madrid  
Phone: +34 91 49 06 580  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +34 91 590 52 11  
Email: customerservice\_spain@bio-rad.com

**SWEDEN**

Bio-Rad Laboratories A.B.  
Solna  
Phone: +46 844 98053  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +46 8 55 51 27 80  
Email: sweden@bio-rad.com

**SWITZERLAND**

Bio-Rad Laboratories AG  
Cressier  
Phone: +41 (0) 61 717 9555  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +41 (0) 26 674 52 19  
Email: Contact\_CentralEurope@bio-rad.com

**TAIWAN**

Bio-Rad Laboratories Taiwan Ltd.  
Taipei  
Phone: +886 (2) 2578 7189  
Fax: +886 (2) 2578 6890

**THAILAND**

Bio-Rad Laboratories Ltd.  
Bangkok  
Phone: 662 651 8311  
Fax: 662 651 8312  
Email: Sales.Thailand@bio-rad.com

**UNITED KINGDOM**

Bio-Rad Laboratories Ltd.  
Watford, Hertfordshire  
Phone: +44 01 923 47 1301  
Freephone: 00 800 00 BIORAD (00 800 00 24 67 23)  
Fax: +44 01 923 47 1340  
Email: UK\_contact@bio-rad.com

### EQAS

An independent, external assessment of laboratory performance in comparison to your peers.

[QCNet.com/eqas](http://QCNet.com/eqas)

### Independent QC

Ongoing, proactive, unbiased daily QC that helps identify errors as they occur or begin to trend.

[QCNet.com/quality-controls](http://QCNet.com/quality-controls)

### Unity™

QC Data Management tools that help you create a strategy to reduce risk and streamline QC workflow.

[QCNet.com/qc-data-management](http://QCNet.com/qc-data-management)

**Want to know more?** Visit us online at [www.bio-rad.com/qualitycontrol](http://www.bio-rad.com/qualitycontrol)



Connect with us

@BioRadQC | Twitter

LinkedIn/company/Bio-Rad | LinkedIn

BioRadQC | YouTube

**BIO-RAD**

**Bio-Rad  
Laboratories, Inc.**

Clinical  
Diagnostics Group

**Website** [www.bio-rad.com/diagnostics](http://www.bio-rad.com/diagnostics) **U.S.** 1 800 224 6723 **Australia** +61 (2) 9914 2800 **Austria** +43 (0) 1 877 89 01 9 **Belgium** +32 (0) 3 710 53 00  
**Brazil** +55 11 3065 7550 **Canada** +1 514 334 4372 **China** +86 21 6169 8500 **Czech Republic** +420 241 431 660 **Denmark** +45 44 52 10 00  
**Finland** +358 9 804 22 00 **France** +33 (0)1 47 95 60 00 **Germany** +49 (0) 89 31884 393 **Greece** +30 210 7774396 **Hong Kong** +85 2 2789 3300  
**Hungary** +36 1 459 6190 **India** +91 124 4029300 **Israel** +972 03 963 6025 **Italy** +39 024 94 86 600 **Japan** +81 3 6361 7070 **Korea** +82 080 007 7373  
**Mexico** +52 (55) 5488 7670 **The Netherlands** +31 (0)318 540 666 **New Zealand** +64 (9)415 2280 **Norway** +47 23 38 41 30 **Poland** +48 22 331 99 99  
**Portugal** +351 21 47 27 700 **Russia** +7 495 721 1404 **Singapore** +65 6415 3170 **South Africa** +27 11 442 8508 **Spain** +34 91 490 6580  
**Sweden** +46 844 98053 **Switzerland** +41 (0) 61 717 9555 **Taiwan** +886 (2) 2578-7189 **Thailand** (662) 651 8311 **United Kingdom** +44(0)1923 471301

