Ortho Clinical Diagnostics

VITROS® MicroSlide Technology:

Delivering accuracy and reliability you can trust

VITROS® MicroSlide Technology

Offers consistent quality and trusted results your clinicians can rely on, even in the most diverse and complex patient settings.

Enables consistent and efficient delivery of accurate and reliable results while **simplifying your lab workflow**.

Delivers consistent and fast turnaround time to meet your lab goals.

Enhances patient satisfaction by utilizing small sample volume, making it ideal for your most delicate patients.

Eliminates variables, such as water and liquid handling systems, that could impact result accuracy and precision.

VITROS® XT MicroSlide Technology*

Leverages the established MicroSlide benefits of quality results and simplified workflow with fast and consistent turnaround time.

Enables two commonly ordered tests to be processed simultaneously from a single sample.

Doubles output and improves productivity through testing 6 pairs of routine, high-volume tests commonly ordered by physicians.

Requires smaller sample size for miniaturized testing areas of each of the paired tests, an important advantage for more vulnerable patients.

Minimizes redraws due to further reduced sample volumes, enhancing patient experience.

*Availability is subject to regulatory approval in each country

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VITROS® MicroSlide Technology | Different by Design

Addressing Interferences

The unique slide design of VITROS® MicroSlide Technology minimizes the impact of endogenous and exogenous interfering substances that could impact the quality of assay results.

Through the elimination of water and liquid handling systems, potential interference caused by impurities that may be present in water are no longer a concern. VITROS® MicroSlide spreading layers filter out proteins and lipids when appropriate, which minimizes endogenous interferences[1, 2] and provides more accurate analyte measurement[3].

The customized assay design in each slide also ensures clinically correlating results.

- Reduces interference such as hemolysis, icterus, turbidity or paraproteins.
- Masking layer in the BuBc slide minimizes hemolysis interference making it ideal for challenging and delicate patients.
- Direct ISE for accurate electrolyte measurement even with samples having abnormal protein and lipid levels.
- Disposable tips, rather than fixed probes for sample metering, eliminate any chance of carryover for precision.
- Ortho's proprietary Intellicheck® technology, with built-in process control, helps ensure error free reporting.

Increasing Efficiency and Accuracy

VITROS® Systems deliver a high First Pass Yield of 96.5%, which helps to ensure the right result the first time, reducing time spent by lab staff responding to clinician queries.

If retesting is required, the small sample volume reduces the need for patient redraw—saving time and resources with the goal of improving patient satisfaction.

Simplifying Your Workflow

MicroSlide Technology enhances work flow, minimizes maintenance and optimizes resources including space and labor.

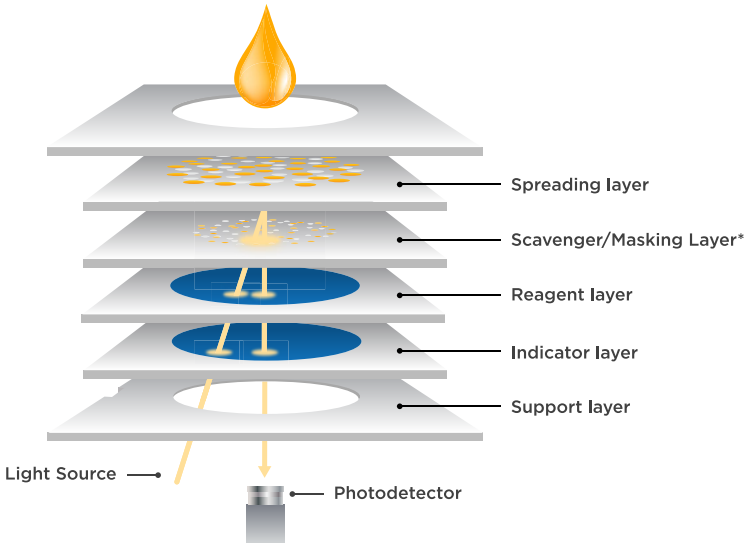
No need for water or liquid handling simplifies maintenance.

Ready-to-use reagents effectively reduce non-value added time for your staff.

The technology and systems design promote ease of use and minimal staff training, enabling better utilization of laboratory resources.

Long calibration stability of six months (or lot specific) helps optimize time and improves analyzer accessibility for patient testing. This results in robust assay performance and stable quality control.

Delivers high reagent and system efficiency thus contributing to cost savings and improving ability to meet lab KPIs.



* Present in some slides

Ortho Clinical Diagnostics data on file.

1. García-González E, González-Tarancón R, Aramendía M, Rello L. Analytical interference by monoclonal immunoglobulins on the direct bilirubin AU Beckman Coulter assay: the benefit of unsuspected diagnosis from spurious results. Clin Chem Lab Med. 2016 Aug 1;54(8):1329-35.
2. García-González E, Aramendía M, González-Tarancón R, Romero-Sánchez N, Rello L. Detecting paraprotein interference on a direct bilirubin assay by reviewing the photometric reaction data. Clin Chem Lab Med. 2017 Jan 11. pii: /j/cclm.ahead-of-print/cclm-2016-0690/cclm-2016-0690.xml.
3. Glick MR, Ryder KW, Jackson SA. Graphical comparisons of interferences in clinical chemistry instrumentation. Clin Chem. 1986 Mar;32(3):470-5.

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