



Infectious Disease Testing

For Maximum Safety and Lab Efficiency

More than 80 years commitment to address your needs in Blood Screening and Diagnostic Testing:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Excellent Sensitivity | <input checked="" type="checkbox"/> Full Process Control |
| <input checked="" type="checkbox"/> Excellent Specificity | <input checked="" type="checkbox"/> Productivity Efficiency |
| <input checked="" type="checkbox"/> Integrity of Results | <input checked="" type="checkbox"/> Best in Class Service & Support |

www.orthoclinicaldiagnostics.com

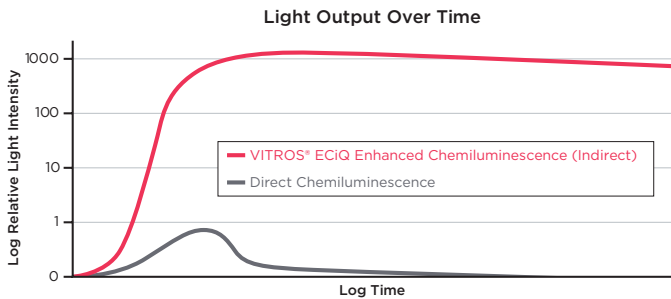
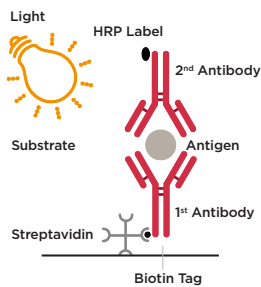


Measuring technology

✓ Excellent sensitivity, specificity and precision

VITROS® MicroWell Technology with proprietary Enhanced Chemiluminescence

Our state-of-the-art VITROS® MicroWell Technology features Enhanced Chemiluminescence for the precision required in critical immunoassay testing, plus a special streptavidin coating increasing assay sensitivity for early virus detection.



References:

- Summers M et al. Luminogenic Reagent Using 3-Chloro 4-Hydroxy Acetanilide to Enhance Peroxidase/Luminol Chemiluminescence. Clinical Chemistry; 41:573;1995
- Phenols as Enhancers of the Chemiluminescent Horseradish Peroxidase-Luminol-Hydrogen Peroxide Reaction: Application in Luminescence-Monitored Enzyme Immunoassays; Thorpe, Gary H.G.; Kricka, Larry J.; Moseley, Susan B.; Whitehead, Thomas P.; Clinical Chemistry; 31:8, 1985
- Ullman, Edwin F et al. Luminescent oxygen channeling immunoassay: Measurement of particle binding kinetics by chemiluminescence. Biochemistry; Proc. Natl. Acad Sci., Vol. 91, pp. 5426-5430, June 1994.

Unique built-in safety checks

✓ Guaranteeing maximum results integrity by eliminating errors

VITROS® Intellicheck® Technology

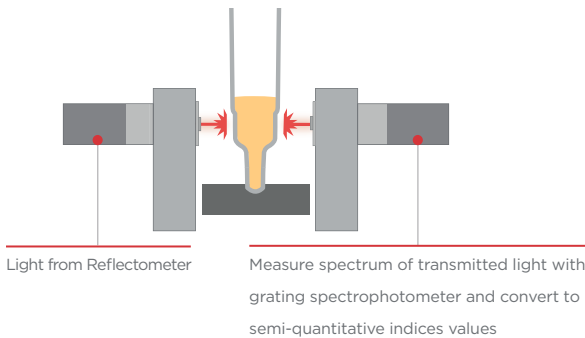
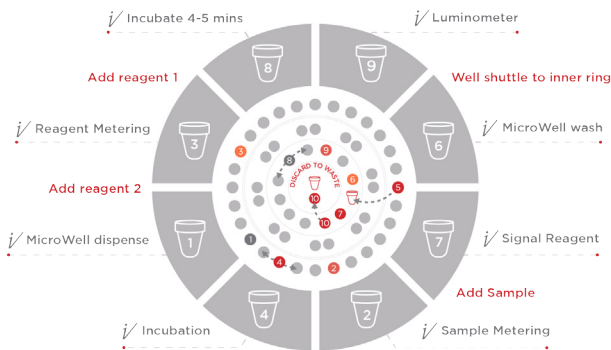
Monitors, verifies and documents diagnostic checks throughout sample and assay processing for accurate and efficient reporting.

Disposable Tips for Samples and Reagents

Avoids risk of false positive results caused by cross contamination.

VITROS® MicroSensor Technology

- Automatic hemolysis detection-quantitation
- Helps in managing poor quality samples
- Results summarized in “MicroSensor Report”



VITROS® 3600 Immunodiagnostic System

✓ Productivity Efficiency

Ease of use

- Built-in safety checks
- Universal sample trays
- Reflex confirmatory testing
- Ready-to-use, integrated reagent pack
- On-the-fly reagent replacement
- Continuous operator access
- 28-day calibration interval with barcoded calibrators

PRODUCTIVITY ADVANTAGES

Minimal need for maintenance

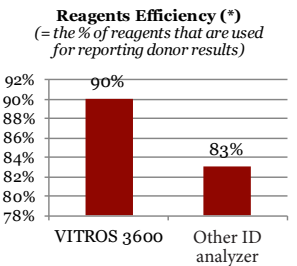
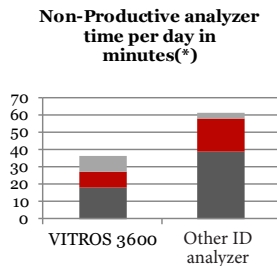
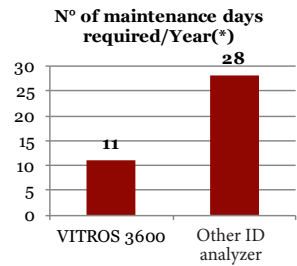
VITROS® 3600 Immunodiagnostic analyzer can save 17 (8-hour shift) working days per year versus another leading Infectious Disease (ID) analyzer.

Maximum productive analyzer time

More analyzer time available for analyzing donor and patient samples.

High system reagents efficiency

Thanks to a minimal need for Reruns, QC and Calibrations, more donor results can be obtained with VITROS® 3600 Immunodiagnostic analyzer.



■ Maintenance
■ Service Downtime
■ Cal/QC

(*) ORTHO Valuator™ data from on-site studies commissioned by Ortho Clinical Diagnostics. These data are on file and available upon request.

VITROS® Automation Solutions

✓ Full Process Control

From simple workcells to fully integrated automation solutions, VITROS® Automation Solutions help you do more than you ever thought possible, with less.

- Sample log-in
- Centrifugation
- Decapping
- Aliquoting
- Labelling
- Clinical chemistry
- Immunoassays
- Coagulation
- Hematology
- Sorting
- Recapping
- Storage
- Retrieval



High Performing Immunoassays

Menu of Assays

Comprehensive infectious disease menu of assays

Anti-HIV 1+2	Anti-HAV IgM	CMV IgG	Rubella IgG
Anti-HCV	Anti-HAV Total	CMV IgM	Rubella IgM
Anti-HBc	Anti-HTLV I/II	HBeAg	Toxoplasma IgG
Anti-HBc IgM	Anti- <i>T.Cruzi</i>	HBsAg Confirmatory	Toxoplasma IgM
Anti-HBe	Anti-SARS-CoV-2 IgG	HBsAg ES	SARS-CoV-2 Antigen
Anti-HBs	Anti-SARS-CoV-2 Total	HIV Combo	Syphilis TPA

High performance assays

HIV Combo

Earlier detection of acute HIV infection in seroconversion panels than leading commercially available tests. Class-Leading Analytical Sensitivity (p24 Detection).

Sensitivity:
100% (600/600)
Specificity donors:
99.84% (5069/5077)

684 2779 Version 1.0

Anti-HCV

The first FDA approved automated random access test for hepatitis! Inclusion of the NS5 antigen for optimal sensitivity.

Sensitivity:
100% (435/435)
Specificity donors:
99.76% (5361/5374)

131 8450 Version 8.1

HBsAg ES

Enhanced sensitivity (ES) for detection of HBsAg genotype, subtype a-determinant mutations.

Sensitivity:
100% (412/412)
Specificity donors:
99.88% (5033/5039)

680 2131 Version 9.0

Syphilis TPA

Class leading specificity allowing fewer false positives and rejection of blood donors.

Sensitivity:
100% (266/266)
Specificity donors:
99.98% (4023/4024)

684 2803 Version 5.0

Sensitivity and Specificity Data are sourced from the respective Instructions for use on www.orthoclinicaldiagnostics.com

Ortho's Workflow Excellence Expertise

Build an effective process design for best in class practices in the Transfusion Service or Clinical Laboratories.

Do more with less is a common phrase these days. But how do we achieve that?

Our industry professionals are trained in process and workflow excellence. Using Six Sigma, Lean Thinking, and Design Excellence methodologies they bring global knowledge of best practices that can range from simple manipulations to complete design overhaul.

To learn more about our business and our commitments, please visit: www.orthoclinicaldiagnostics.com

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Product availability is subject to fulfilment of regulatory requirements in each market.

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