

THE ORTHO CLINICAL DIAGNOSTICS FRANCHISE



Clinical Laboratory

Clinical laboratory testing plays a vital role in the detection, diagnosis and monitoring of diseases before they put lives at risk. The tests focus on the molecular and cellular elements of blood and other body fluids for the diagnosis and management of illness. Diagnostics are crucial in helping healthcare practitioners diagnose medical conditions early, enabling them to make better-informed treatment decisions.

In addition to its current offering of more than 120 clinical chemistry and immunodiagnostic assays and numerous instruments, Ortho Clinical Diagnostics (OCD) is committed to expanding its clinical lab solutions by providing customers with valuable products and services. The range of biomarkers used as diagnostics will be expanding in the future and OCD plans to develop new tests that make a difference in patient care, especially in clinical areas that present the greatest global need: cardiovascular and metabolic diseases, and oncology.

Clinical Chemistry

Clinical chemistry assays measure the presence of particular molecules or metabolites (chemicals) in the body to help healthcare practitioners monitor the health of their patients. OCD offers a broad range of assays that perform all of the most common and important clinical chemistry tests, such as cholesterol tests (HDL and LDL), blood glucose (blood sugar) and electrolyte (sodium, potassium, chloride) levels to evaluate fluid balance. OCD offers the following clinical chemistry systems:

- The **VITROS® 5,1 FS Chemistry System** is a high-performance, high-capacity chemistry system with parallel processing for routine and specialty testing.
- The **VITROS® 350 Chemistry System** is a compact chemistry system designed to be efficient, dependable and, above all, easy to use as a primary, STAT or backup system.
- The **VITROS® DT60 II Chemistry System** is a flexible, modular bench top chemistry system for routine or emergency clinical chemistry testing in a variety of settings, including physician offices.

Immunodiagnosics

Immunodiagnosics can help detect disease earlier, leading to patient care and treatment that will hopefully help to avoid progression to more serious disease. Immunodiagnostic tests match antibody-antigen responses to indicate the presence or level of a protein or other biomarker to help disease diagnosis across categories such as thyroid function, reproductive endocrinology, cardiology, anemia, metabolism, oncology and infectious diseases. OCD's broad menu of infectious disease assays test for infections such as HIV, hepatitis and rubella.

OCD offers the following immunodiagnosics systems:

- The **VITROS® ECIQ Immunodiagnostic System** is a powerful immunoassay system for routine and specialty testing designed for low- to mid-volume laboratories that require continuous processing.
- The **VITROS 3600® Immunodiagnostic System** is a new high-capacity immunoassay system that provides laboratories with a truly innovative solution to address their quality, labor and cost challenges. The VITROS® 3600 System, which launched in 2009, delivers high-quality and dependable results by offering a broad and comprehensive immunoassay menu based on world-class VITROS® Technologies. The single-use tips on the system eliminate sample and reagent carryover, and automatically detect clots and bubbles to avoid reporting erroneous results.



Integrated System

The **VITROS® 5600 Integrated System** is uniquely designed to integrate clinical chemistry and immunoassay testing on one platform to increase laboratory productivity. OCD is the only diagnostic manufacturer to offer U.S. laboratory customers the complete integration of more than 100 different clinical chemistry, routine immunoassay, and infectious disease tests, including Anti-HIV 1+2 testing on a single platform – the VITROS® 5600 Integrated System. One of OCD’s patent-pending innovations is the “Sample-Centered” processing approach, where each individual sample is accessed independently and in parallel for chemistry and immunoassay testing. Unlike other integrated systems, this “one tube in, one tube out” approach can optimize turnaround time and productivity by intelligently accounting for variable sample and test mixes, eliminating the need to split the sample on the analyzer or move sample trays between modules. In addition, the VITROS® 5600 System is smaller than many other systems and does not have any water or drainage requirements, making the most of limited lab space while allowing flexibility in instrument location.

