

VersaCell X3 Solution

Flexible automation
options to improve
allergy testing workflow

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Today, every laboratory is under intense pressure to do more. To operate more efficiently, process more samples, run more reports, or be more productive with less staff. And, with allergic diseases affecting 30–40% of the world's population,¹ labs of all sizes are looking to automate allergy testing to optimize workflows.

IMMULITE 2000 XPi System and VersaCell X3 Solution offer a powerful combination to streamline allergy testing and more.



IMMULITE 2000 XPi System at-a-glance

Providing multiple tests on a single, easy-to-use analyzer, the IMMULITE 2000 XPi Immunoassay System makes it simple to adjust to changes in demand and scale capabilities without disrupting day-to-day operations.

- Gain access to an expansive menu of ~500 allergens.*
- Process up to 200 tests per hour in full random-access mode.
- 3gAllergy assay technology reduces need for additional testing and the risk of false-positive results.

VersaCell X3 Solution at-a-glance

The VersaCell X3 Solution offers the flexibility that labs need to automate high-volume allergy testing with solutions that can be customized to the specific needs of each lab. The flexible, modular solution can serve as a robust system for optimized sample management, connecting multiple IMMULITE 2000 XPi Systems, or connecting to total lab automation.

- Connect as many as three IMMULITE 2000 XPi Systems in a self-contained workcell.
- Flexible workcell configurations support diverse layouts and space constraints.
- Seamless connectivity to Aptio Automation and FlexLab X Automation.

1. <https://gaapp.org/diseases/allergies>

*Outside of U.S. only.

Scalable, flexible sample management solutions for enhanced allergy workflows

- Robust software enables at-a-glance visual monitoring of KPIs with intuitive, color-coded dashboard.
- Flexible data integration options support a direct connection to the Laboratory Information System (LIS) or via an interface with Atellica Data Manager.
- Optional connectivity to Atellica Data Manager enables labs to further standardize and streamline result management.

1

- Scalable connectivity options enable labs to connect up to 3 IMMULITE 2000 XPi Systems from one VersaCell X3 Solution interface.
- Primary tube sampling streamlines pre-analytical aliquoting and reduces waste.
- Flexible sample positioning with 360° robotic arm enables quick transfer of samples between IMMULITE 2000 XPi Systems and/or total lab automation.

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3

- Enhance efficiency with automatic sample-sorting options, a 200-sample capacity, and SDX-07 racks for enhanced archiving and easy identification.
- Efficiently manage STAT samples with priority drawer for simultaneous loading of up to 8 samples and easy access to tubes for removal and reloading.
- Compact footprint of 0.85 m² (7.88 ft²) and versatile configurations help labs automate allergy testing in even the smallest of spaces.

4

- Reduce sample wait times and achieve predictable turnaround times with independent sample management.
- Maintain productivity during scheduled maintenance—or should unscheduled downtime occur—with independent operation of connected systems.
- Limit time spent on system upkeep and maintenance activities with only one scheduled annual maintenance visit per calendar year.

Dependable versatility to meet changing demand quickly and easily.

The VersaCell X3 Solution offers a flexible, expandable connectivity solution that connects multiple IMMULITE 2000 XPi Systems in various workcell configurations to provide a solution that best fits each lab's unique testing needs and space requirements.



Two systems, left turn



Two systems, linear



Two systems, right turn



Three systems, T-shaped

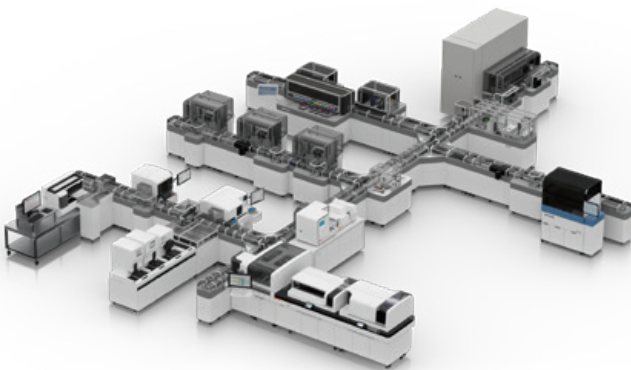
In labs seeking to benefit from the pre- and post-analytical functions available with total lab automation, the VersaCell X3 System enables flexible connectivity options to Aptio and FlexLab X Automation.



Single system with Aptio Automation



Single system with FlexLab X Automation



FlexLab X Automation at-a-glance

Meet your changing needs and volume growth requirements with best-fit, right sized total lab automation that provides layout flexibility, minimal footprint, and ease of expansion.

- Scalable from small to mega with open connectivity
- Back-to-back placement with standardized components
- Customized workflow solutions

Leverage our experience in mega labs to execute flawless implementation; turning complexity into efficiency for every lab.

- Nearly three decades of automation experience
- Award-winning global service teams
- Professional healthcare consulting and project management

The IMMULITE 2000 XPi System combines a broad menu of allergy and inflammation assays for advanced insight into patients' immune response—all on one versatile, dependable system.

IMMULITE 2000 XPi System Test Menu

Allergy AlaTOP Allergy Screen* Allergen-Specific IgE 3gAllergy Allergen-Specific IgG* Allergen-Specific IgG4* ECP* IgE Total	Hepatitis Anti-HBc IgM Anti-HBc Anti-HBs HBsAg HBsAg Confirmatory	Reproductive Endocrinology Androstenedione DHEA-SO4 Estradiol Free Beta HCG† FSH hCG LH PAPP-A† Progesterone Prolactin SHBG Testosterone Unconjugated Estriol	Thyroid Anti-Tg Ab Anti-TPO Free T3 Free T4 Thyroglobulin (Tg) Thyroid Binding Globulin (TBG) Total T3 Total T4 TSH TSH, 3rd Generation Thyroid Stimulating Immunoglobulin (TSI) T Uptake
Anemia EPO* Ferritin Folate RBC Folate Vitamin B12	Inflammation IL-1B† IL2R† IL-6† IL-8† IL-10† LBP† TNFα†	Special ID EBV-EBNA IgG* EBV-VCA IgG* EBV-VCA IgM* H. pylori IgG Syphilis	TORCH CMV IgG CMV IgM Herpes I & II IgG Rubella IgG Rubella IgM Toxoplasma IgG Toxoplasma IgM*
Autoimmune Anti-CCP IgG	Metabolic ACTH Cortisol Homocysteine	Therapeutic Drug Monitoring (TDM) Carbamazepine Digitoxin* Digoxin Phenobarbital Phenytoin Theophylline Valproic Acid	Other Beta-2 Microglobulin Gastrin Nicotine Metabolite†
Bone Metabolism Intact PTH Osteocalcin* Pyrilinks-D	Oncology AFP CA 125 (OM-MA) CA 15-3 (BR-MA) CA 19-9 (GI-MA)* Calcitonin CEA Free PSA PAP PSA PSA, 3rd Generation		Veterinary Canine TLI Canine Total T4 Canine TSH Vet Cortisol Vet Free T4
Cardiac CKMB* D-Dimer* High-Sensitivity CRP Myoglobin NT-proBNP* Troponin I			
Diabetes Albumin C-Peptide Insulin			
Growth Growth Hormone (hGH) IGF-I IGFBP-3			

*Not available for sale in the U.S.

†For research use only in the U.S.

VersaCell X3 Solution Specifications

System Specifications	
Dimensions	Without monitor: 0.78 (w) X 1.09 (d) X 1.56 (h) m; 30.71 (w) X 42.91 (d) X 61.42 (h) inches With monitor: 1.02 (w) X 1.09 (d) X 1.56 (h) m; 40.16 (w) X 42.91 (d) X 61.42 (h) inches
Weight	293.3 kg (648 lb)
Power requirements	Dedicated 100, 110, 120, 200, 208, 220, 230, or 240 VAC, 50/60Hz single-phase power line; 800 W maximum power consumption; voltage fluctuations and transient over-voltages according to Installation Category II and cannot exceed 10% of nominal voltage
Sample Tubes	
Throughput	Up to 200 sample tubes per hour
Capacity	Up to 208 sample tubes
Supported sizes	12 x 75 mm to 16 x 100 mm
Types	Primary (gel separator), secondary (round bottom), glass and plastic, flat bottom*
Environment	
Altitude	For indoor use: up to 2000 m (6561.6 ft)
Ambient temperature	18–30°C (64.4–86°F); system generates 2700 BTUs/hour
Maximum relative humidity	80% up to 31°C (87.8°F), decreasing linearly to 50% at 40°C (104°F)
Pollution degree	Pollution degree is 2, in accordance with IEC Standard 664
Air pressure	System operates at approximately 50 PSI using a compressor that supplies air between 55 PSI and 125 PSI; no special requirements for the quality of the compressed air supply, although clean, dry air is preferable.
Sound levels	System averages 70 dB and spikes to 75 dB
Barcodes	
Barcodes	Code 39, Codabar, EAN, Interleaved 1 2 of 5, Code 128†
User Interface/Data Management	
Monitor	22-inch touchscreen
Operating system	MICROSOFT WINDOWS 10
Remote access and service	Smart Remote Services

*Flat-bottom sample tubes are supported only on VersaCell SDX-07 Racks

†The CLSI standard states that the Code 128 barcode symbology is preferred for use in a laboratory automation system. The barcode label must be placed at least 14 mm (0.55 in.) from the top and at least 20 mm (0.79 in.) from the bottom of the sample tube. The spacing at the top prevents the gripper from covering the barcode. In addition, the height of the barcode must be at least 10 mm (0.4 in.).

At Siemens Healthineers, we pioneer breakthroughs in healthcare. For everyone. Everywhere. Sustainably. As a leader in medical technology, we want to advance a world in which breakthroughs in healthcare create new possibilities with a minimal impact on our planet. By consistently bringing innovations to the market, we enable healthcare professionals to innovate personalized care, achieve operational excellence, and transform the system of care.

Our portfolio, spanning in vitro and in vivo diagnostics to image-guided therapy and cancer care, is crucial for clinical decision-making and treatment pathways. With the unique combination of our strengths in patient twinning,* precision therapy, as well as digital, data, and artificial intelligence (AI), we are well positioned to take on the greatest challenges in healthcare. We will continue to build on these strengths to help overcome the world's most threatening diseases, enable efficient operations, and expand access to care.

We are a team of more than 72,000 Healthineers in over 70 countries passionately pushing the boundaries of what is possible in healthcare to help improve the lives of people around the world.

**Personalization of diagnosis, therapy selection and monitoring, aftercare, and managing health.*

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