

IMMULITE® 2000 Immunoassay System

Advanced Immunoassay System

The IMMULITE 2000 immunoassay system has been designed specifically for optimum efficiency and consolidation in medium and high-volume laboratories. The IMMULITE 2000 intuitive software, and graphical user interface, offers streamlined information management, from remote test ordering to sophisticated analysis of results.



- Throughput of up to 200 tests/hour
- User-defined automatic dilution protocols
 - Five hours of usable walk away time
- Third-generation assays for excellent sensitivity
- Comprehensive menu of more than 100* assays
- Easily automate through VersaCell™ or other ADVIA Automation Systems

The IMMULITE 2000 analyzer combines allergy and specialty immunoassay testing on one platform with many features that provide greater efficiency in the lab.

IMMULITE® 2000 Immunoassay System - Features & Benefits

Consolidation Without Compromise

The extensive menu of the IMMULITE 2000 will enable the laboratory to reduce the number of platforms required in the laboratory without a compromise in quality.

RealTime Solutions

- Real-time instrument monitoring via the Internet, 7 days a week, 24 hours a day
 - Proactive service for fewer unplanned service visits
- Quality control management visibility is made possible from any Internet-equipped computer

Efficiency

- Throughput of up to 200 tests/hour
 - 24 resident assays
 - Proprietary onboard dilution
- Automatic reassay of out-of-range samples
- Reflex testing for additional clinical information

Exceptional Performance

- Clot detection
- Proprietary wash technique for high sensitivity
 - Third-generation assays
- Extensive routine as well as esoteric menu for faster clinical diagnostic information

VersaCell™ System

The VersaCell system is a compact, robotic system that connects 2 stand-alone instruments in flexible configurations. Features include:

- A loading capacity of up to 200 patient samples
- Reduced sample handling with the use of some clinical chemistry instrument racks
 - Continuous and immediate access to patient samples
- Connection to two IMMULITE 2000 or 2500 instruments to create an immunoassay system with a throughput of up to 400 tests per hour and a reagent capacity of 48 different assays
- Links to ADVIA 1800 and IMMULITE 2000 or 2500 system to consolidate chemistry and immunoassay testing
- The VersaCell system also enables IMMULITE 2000 to be connected to many of the open track-based laboratory automation systems available, including ADVIA LabCell and WorkCell and the StreamLab Analytical WorkCell

Technical Specifications

Operating Temperature

18–32°C

Luminometer

Photon-counting photomultiplier tube

Computer

Integrated Intel® Pentium® processor

256 MB RAM

CD/DVD-RW drive

Hard drive, 40 GB

Floppy disk drive, 3.5-inch

Sound board

User Interface

Microsoft® Windows® XP operating system

Flat-screen monitor, 15-inch, with touch screen (1024 x 768 resolution, 0.28 mm dot pitch)

Trackball

Micro keyboard

Sample Tubes

12 to 16 mm in diameter and 75 to 100 mm in height, and 10 x 50 mm micro tubes using adapter

Printer

Internal laser-jet printer or external printer

Interface Capabilities

LIS in conformance with ASTM E1394 and ASTM E1381

Networks via Ethernet (10/100 BaseT)

Modem, V34-56K

Laboratory automation systems

Power Requirements

200–240 VAC

6 amp

Dedicated line, 50/60 Hz

Dimensions (with Monitors)

Length	84 in.	213 cm
Height	75 in.	189 cm
Depth	41 in.	104 cm
Weight	890 lbs	404 kg

Protected by US Patents

5,632,399

5,721,141

5,723,092

5,773,296

5,885,529

5,885,530

Certifications

ISO 13485:2003

CE

UL/CUL

IEC

IMMULITE® 2000 Immunoassay System - Assay Menu

Allergy

AlaTOP Allergy Screen*
Allergen-Specific IgG*
Allergen-Specific IgG4*
ECP*
3gAllergy™ Specific IgE
Total IgE

Anemia

EPO
Ferritin
Folic Acid
RBC Folate
Vitamin B12

Autoimmune

Anti-CCP¹

Bone

Calcitonin
Osteocalcin*
PYRILINKS-D
Vitamin D¹

Cardiovascular

CKMB
D-Dimer*
High-Sensitivity CRP

Myoglobin
Troponin I
NTproBNP*

Congenital

CMV IgM²
CMV IgG
Herpes I & II IgG
Toxoplasma IgM
Toxoplasma Quantitative IgG
Rubella Quantitative IgG
Rubella IgM

Diabetes

C-Peptide (serum, urine)
Insulin
Microalbumin (urine) (ALB)

Growth

Growth Hormone (hGH)
IGF-I
IGFBP-3

Hepatitis

Anti-HBc IgM
Anti-HBc Total
Anti-HBs
HBsAb Quantitative
HBs Ag
HBs Ag confirmatory

Infectious Disease

EBV-EBNA IgG²
EBV-VCA IgG²
EBV-VCA IgM²
H. pylori IgG
Syphilis

Inflammation

IL-2R*
IL6*
LBP*

Metabolic

ACTH
Cortisol
Homocysteine

Reproductive Endocrinology

AFP
Androstenedione
DHEA-SO4
Estradiol
FSH
Free Beta HCG*
HCG
LH
PAPP-A*
Progesterone
Prolactin
SHBG
Total Testosterone
Unconjugated Estriol

TDM

Carbamazepine
Digitoxin
Digoxin
Phenobarbital
Phenytoin
Theophylline
Valproic Acid

Thyroid Function

Anti-TG Ab
Anti-TPO Ab
Free T3
Free T4
Intact PTH
Rapid TSH
TBG
Third Generation TSH
Thyroglobulin
Thyroid Uptake
Total T3
Total T4
TSI¹

Tumor Markers/Oncology

AFP

BR-MA CA15-3™
CEA
Free PSA
GI-MA CA 19-9™*
OM-MA CA125™
PAP
PSA
Third Generation PSA

Other
Beta-2 Microglobulin
Gastrin
Nicotine Metabolites *

Vet
Canine Free T4
Canine TLI
Canine Total T4
Canine TSH

1 Under development
2 Under development in the U.S.
* Not available for sale in the U.S.