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
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)

<table>
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<tr>
<th></th>
<th>Length</th>
<th>Height</th>
<th>Depth</th>
<th>Weight</th>
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<tbody>
<tr>
<td></td>
<td>84 in.</td>
<td>75 in.</td>
<td>41 in.</td>
<td>890 lbs</td>
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<tr>
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<td>213 cm</td>
<td>189 cm</td>
<td>104 cm</td>
<td>404 kg</td>
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Protected by US Patents

5,632,399
5,721,141
5,723,092
5,773,296
5,885,529
5,885,530

Certifications
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-CCP

**Bone**
- Calcitonin
- Osteocalcin
- PYRILINKS-D
- Vitamin D

**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
TSI

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.