

ADVIA Centaur XP

Technical Specifications



Product Specifications

System Description	Random access immunoassay system
Throughput	Up to 240 tests per hour
Time to First Result	18 minutes; results every 15 seconds thereafter, assay dependent
Assays Onboard	30

Assays

Assay Packs	ADVIA Centaur ReadyPack® assays
Assay Technology	Direct chemiluminescence
Disease-state Assay Groups	Allergy,* Anemia, Autoimmune,** Cardiovascular, Congenital Disease, Fertility, Immunosuppressant,** Infectious Disease, Metabolic Function, Oncology, Therapeutic Drug Monitoring, Thyroid Function

Sample Handling

Sample Tubes	1 mL, 2 mL, 3 mL, 5 mL, 7 mL, 10 mL, microcontainer tubes
Sample Carriers	Universal 5-position rack holds multiple tube types; 180 samples fully loaded; no-pause loading and unloading
STAT Handling	Dedicated STAT port accepts samples any time
Sample Types	Serum, plasma, urine, assay dependent
Sample Volume	10 uL to 200 uL assay dependent
Sample Integrity Control	Pressure transducer technology with clot detection, flagging and management, short sample detection, flagging and management
Sample Pipette Tips	Ensure zero sample carryover
Automatic Dilutions	Varies by assay, up to 1:1000

Bar Codes

	Code 128, Code 39, Codabar, Interleaved 2 of 5
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Reagent Handling

Reagent Cooling	30-position reagent tray cooled 4°C to 8°C
Reagent Integrity Control	Bar code reagent identification, automatic inventory tracking and flagging, calibration validity tracked and flagged, reagent onboard stability tracked and flagged, reagent expired/reagent low flagging
Reagent Mixing	ReadyPacks automatically rocked onboard
Ancillary Reagents	25-position ancillary reagent tray cooled 4°C to 8°C

Supplies

Cuvettes	1000 ADVIA Centaur cuvette capacity
Sample Tips	840 disposable sample tip capacity

ADVIA Centaur® XP Immunoassay System

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ADVIA Centaur XP Immunoassay System

Continuous Operation

Loading/unloading of samples and consumables at any time without the need to interrupt system operations. Includes: sample racks, STATS, reagent packs, ancillary reagent packs, reaction cuvettes, sample pipette tips, calibrators, controls, wash fluids, water, and waste

User Interface

Monitor	19-inch diagonal high-resolution LCD touch screen with adjustable height
Operating System	Dual Sun Microsystems Sparc® II processors; Microsoft® Windows® XP

Results Management

Host Interface	RS232C bidirectional and host query Ethernet connection available 25,000 result storage; archive to removable media Automatic reflex testing
Smart Algorithm Software	Repeats and confirms reactive testing Results available as completed

Quality Control

ADVIA® QC package includes Levy-Jennings plots and Westgard rules
65,000 control results can be stored

Removable Media

DVD or CD RW

Device Management

100 Base-T Ethernet port for remote access and ProTechSM proactive service modem

General Specifications

Electrical	208-240 V at 50/60 Hz Meets regulatory requirements for UL, CAN/CSA, IEC 1010, JIS, CE, CISPR11 Class A
Power Consumption	1 KW in ready state; 1.5 KW in operating state
Water	Deionized Type II
Dimensions	51.5 (h) x 72.4 (w) x 41.0 (d) in, 130.9 (h) x 183.9 (w) x 104.2 (d) cm
Weight	1,200 lbs (545 kg)
Floor Load-bearing Requirement	390 kg/m ² (80 lb/ft ²)
Operating Environment Temperature	18-30°C; humidity 20-80% noncondensing
Ventilation	10,000 BTU/hour
Noise Emission	58.8 db in ready state; 61.3 db in operating state

* Available outside the US.

** In development.

Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

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