

ADVIA Centaur CP

Technical Specifications



Overview

System Description	Random access immunoassay system
Throughput	Up to 180 tests per hour in batch or random access mode
Time to First Result	15 minutes
Assays Onboard	15
Total Assay Capability	100

Assays

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

Samples and Sample Handling

Sample Carriers	5 mL, 7 mL, 10 mL, 1 mL cups, microtainer tubes
Sample Capacity	84 samples, continuous loading in 12-position sample racks
Walk-away Time	One hour minimum
STAT Handling	Dedicated STAT position plus additional keyboard option for scheduling STATs individually
Sample Types	Serum, plasma, urine, CSF
Sample Integrity Control	Pressure-based level sensing, short sample detection and flagging, clot detection and flagging, foamy sample detection
Sample Carryover	Eliminated by consumable ADVIA Centaur pipette tips
Pipette Tips	ADVIA Centaur type, 480 onboard, automatic tracking and flagging of inventory

Bar Codes

Formats Supported	Code 128, Code 39, Codabar, Interleaved 2 of 5 (any or all symbologies may be active at one time)
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Reagents and Reagent Handling

Reagent Cooling	10°C +/-2
Reagent Integrity Control	Bar code reagent identification, automatic inventory tracking and flagging, calibration validity tracked and flagged, reagent onboard residency tracked and flagged, reagent expired/low flags
Reagent Ancillaries	10-position cooled storage for ADVIA Centaur reagent ancillaries

Cuvettes

Type	ADVIA Centaur cuvettes
Onboard Capacity	400

ADVIA Centaur® CP Immunoassay System

Siemens Medical Solutions Diagnostics

SIEMENS
medical

ADVIA Centaur CP Immunoassay System

Continuous Operation

Loading/Unloading of Samples and Consumables Do Not Cause System Interruption	Includes: Sample racks, STATs, reagent packs, ancillary packs, reaction cuvettes, sample pipette tips, calibrators, controls, wash fluid, water
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User Interface

Operating System	Microsoft® Windows® XP English Professional
Monitor	15" diagonal LCD touch-sensitive screen

Results Editing

Viewing and Editing	Results available at all times, sortable by SID test and date, user has the option to evaluate, verify, and release results prior to printing or reporting to LIS User-edited results are flagged on audit trail
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Assay Calibration

Identification	Siemens Medical Solutions Diagnostics bar code labels containing lot-specific data, human readable and system readable through handheld bar code scanner
Status	Calibration status logged and flagged, including advance notice of pending expiration, user-defined processes for response to calibration expiration

Quality Control

Package	ADVIA® QC package for long-term monitoring including L-J plots and Westgard rules
Levels	0-9 control levels per assay
Control Definitions	User defined
Results Storage	65,000 control, patient, and event results can be stored online (approx. 3 months data)

Environmental

Operating Temperature	18-30°C
Operating Humidity	20%-85% RH noncondensing
Electrical	100-240 v, 50/60 Hz
Dimensions	32 (h) x 43 (w) x 29 (d) in, 81 (h) x 107 (w) x 74 (d) cm (excludes monitor and accessories)
Weight	366 lbs/166 kg (includes monitor and accessories)

Practical Productivity

Expansive Consolidation

Flexible Solutions

Concordant Technology

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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Order No. A91DX-0700195-C2-4A00
Printed in USA

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