

Sysmex CA-600 Systems

Technical Specification Sheet

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Resetting the standard, again.

The CA-600 Systems build upon the proven technology and reliability of the Sysmex® CA-500 Series Systems, thus offering peace of mind and easy integration into your laboratory. And, as standard with the solutions offered by Siemens, you can be sure that we will offer the right instrument to meet your needs.

Key system highlights include:

- Two system options to meet your lab's needs—CA-620 for clotting and CA-660 for clotting, chromogenic, and immunologic detection methods
- Hand-held 2D bar-code reader for safe and convenient data entry
- Tilted color LCD touch screen for easy-to-use system handling
- Sample bar-code reader provides simplified sample ID processing and enables security and integrity of patient records



Test Menu	
PT	Thromborel® S, Dade® Innovin®
APTT	Dade Actin® Reagent, Dade Actin FS Reagent, Dade Actin FSL Reagent, Pathromtin SL Reagent
Fibrinogen	Multifibren U, Dade Thrombin Reagent
Thrombin Time	Test Thrombin Reagent, Thromboclotin ¹
Batroxobin Time	Batroxobin Reagent
Factor Deficiency	Factors VII and VIII
Lupus Anticoagulant	LA1 screening Reagent, ¹ LA2 confirmation Reagent ¹
Protein C Pathway	Protein C, Berichrom Protein C*
Heparin	Berichrom Heparin*
Antithrombin	Berichrom Antithrombin III (A),* INNOVANCE Antithrombin*
D-Dimer	INNOVANCE D-Dimer*
Von Willebrand Factor	vWF Ag, ¹ * INNOVANCE VWF Ac ¹ * (for Sysmex CA-660 only)

1. Not available for sale in the U.S.

*Only available on the CA-660 system.

Sysmex CA-600 Series System Specifications

Measurement

Principle	Photo-optical, continuous, sequential
Method/channels	Clotting/4, chromogenic,* and immunologic*
Source lamp	Clotting – 4 LEDs with 660 nm/wavelength Chromogenic – 1 LED with 405 nm/wavelength* Immunologic – 1 LED with 575 nm/wavelength*

Sample Handling

Sample types	Primary tubes and sample cups
Sampling mechanism	Automated sample and standard predilution
Bar-code identification	Automatic positive sample identification
Carrier system	Continuous-access sample racks
Maximum load	10 sample tubes
Storage temperature	Room temperature
Racks	1 sample rack; specific sample holders available
Handling	Flexible mix of cups and various sample tubes, simultaneously

Throughput (approx.)

PT	60 tests/hour
D-Dimer	16 tests/hour
PT, APTT, Fibrinogen	48 simultaneous tests/hour
PT/APTT/Fibrinogen/AT	40 simultaneous tests/hour
PT/APTT/Fib/D-Dimer	32 simultaneous tests/hour

Reagent Handling

Dispensing mechanism	1 heated probe
Loading system	Manual placement of reagents, removable reagent tray
Reagents onboard	13 reagent positions (incl. buffer and rinse)

Operation

Access mode	Continuous random access (reaction tubes)
Calibration	Automatic predefined calibration
STAT	1 priority position

Data Storage

Patient results	600 samples; 3,000 results
QC files	14 parameters; 180 pts x 6 files/each parameter

*Only available on the CA-660 System.

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Order No. A91DX-HHS-120422-GC1-4A00
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Reaction Tubes

Type	Single reaction tubes
Loading	60 reaction tubes onboard; automatic continuous access

System Fluid

Cleaning and rinsing	Washing solution onboard
System containers	5-L containers for water (rinse) and waste

Hardware and Software Components

Workstation	Built-in PC
Display	Built-in touch screen
Printer	Built-in integral thermal graphic printer
Interface	ASTM, CA-1000 protocol
Host connection	Bidirectional RS-232C serial port

Power Supply

Operating voltage	100–240 VAC; 50–60 Hz
Power consumption	300 VA
Dedicated line required	

Environmental Conditions

Operating temperature	15–35°C, optimum 23°C
Humidity	30–85% (non condensing)

Dimensions

566 x 490 x 490 mm (W x D x H)
22.5 x 19.5 x 19.5 in.
Approx. 43 kg/94.6 lb

Quality Control

X-control, Levey-Jennings control

The Sysmex CA-600 Series Systems are available for sale in the U.S. and comply to the IVD Directive 98/79/EC.

Ordering Information

Catalog No.	Product Description	Quantity	Capabilities
10712040	Sysmex CA-620 System	1 unit	Clotting detection only
10712039	Sysmex CA-660 System	1 unit	Clotting, chromogenic, and immunologic detection