

Specification sheet

CA-660 System

The CA-660 System is compact, fully automated systems featuring clotting, chromogenic, and immunologic measurements in true random access. With one of the smallest footprints in their class, the systems are ideal for low-volume laboratories or as backup instruments for large laboratories.



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Reagent test menu	
PT	Dade Innovin, Thromborel S
APTT	Dade Actin, Dade Actin FS, Dade Actin FSL, Pathromtin SL
Fibrinogen	Multifibren U, Dade Thrombin
Thrombin time	Test Thrombin
Batroxobin time	Batroxobin
Factor deficiency	Factors VII and VIII
Protein C pathway	Protein C, Berichrom Protein C
Heparin	INNOVANCE Anti-Xa (LMWH, UFH)
Antithrombin	Berichrom Antithrombin III (A), INNOVANCE Antithrombin
D-dimer	INNOVANCE D-Dimer

Reagent names are abbreviated. Please refer to instrument-specific reagent application/reference guide for more information.

Measurement	
Principle	Photo-optical, continuous, sequential based on change in the transmitted light emitted from the sample with added reagent
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	
Type of sample	Primary tubes and/or sample cups
Sampling mechanism	Automated sample and standard predilution
Barcode identification	Automatic positive sample identification Optional 2D hand-held barcode reader
Carrier system	Continuous-access sample racks
Maximum load	10 sample tubes

Sample handling (continued)	
Storage temperature	Room temperature
Racks	One sample rack; specific sample holders available
Handling	Flexible mix of cups and various sample tubes, simultaneously

Reagent handling	
Dispensing mechanism	One heated probe
Loading system	Manual placements of reagents; removable reagent trays
Reagents onboard	13 reagent positions in total (incl. buffer and rinse), 4 positions cooled
PT/APTT/Fib/D-Dimer	32 simultaneous tests/hour
Bar-code identification	Optional 2D hand-held barcode reader for identifying lot data, exp. date, target value (QCs and calibrators), and upper/lower limit (QCs)

CA-600 System specifications

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

Operation

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

Reaction tubes

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

System fluid

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

Computer/printer

Workstation	Built-in PC
Display	Built-in touchscreen
Printer	Built-in thermal graphic printer
Data storage	600 samples; 3000 patient results
Input device	Optional 2D hand-held barcode reader

Software

Interface	ASTM2, CA-1000 protocol with tracability function
Host connection	Bidirectional RS-232C serial port

Power supply

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

Environmental conditions

Operating temperature	15–30°C
Humidity	30–85% (noncondensing)

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	
QC files	14 parameters, 180 pts x 6 files/parameter

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

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CA-620 and CA-660 Systems refer to Automated Blood Coagulation Analyzer CA-620 and Automated Blood Coagulation Analyzer CA-660 respectively (CA-600 Systems refers to CA-620 and CA-660 Systems).

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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