

# Smart and Compact



The Sysmex<sup>1</sup> CA-560 System incorporates latest technologies as represented by microcomputers, thereby enabling analyses of multiple parameters with increased flexibility. The Sysmex CA-560 System processes parameters such as PT, APTT, Fibrinogen, Thrombin time (coagulation method), Antithrombin III (chromogenic method) or D-Dimer (immunoassay method).

## Product Description

The Sysmex CA-560 System is a compact, fully automated *in vitro* diagnostic instrument capable of analyzing up to 5 coagulation parameters, simultaneously. In addition, it offers a number of functions including preferential processing of STAT samples and a built-in quality control function. Moreover, it allows analyzed data to be displayed or printed with reaction curves, thus making it possible to obtain highly reliable results.

## Test Menu

• PT:	Thromborel <sup>®</sup> S reagent, Dade <sup>®</sup> Innovin <sup>®</sup> reagent
• APTT:	Dade Actin <sup>®</sup> reagent, Dade Actin FS reagent, Dade Actin FSL reagent, Pathromtin* SL reagent
• Fibrinogen:	Multifibren* U reagent, Dade Thrombin reagent
• Thrombin time:	Test Thrombin reagent, Thromboclotin* reagent
• Batroxobin time:	Batroxobin reagent
• Factor deficiency:	Factor VII, VIII
• Lupus anticoagulant:	LA1 screening reagent, LA2 confirmation reagent
• Protein C pathway:	Protein C reagent, Berichrom* Protein C
• Heparin:	Berichrom Heparin reagent
• Antithrombin III:	Berichrom Antithrombin III (A), INNOVANCE* Antithrombin <sup>†</sup>
• D-Dimer:	INNOVANCE D-Dimer, D-Dimer PLUS
• Von Willebrand factor:	VWF Ag*

† Available fall 2008

**Sysmex<sup>®</sup> CA-560 System**

Answers for life.

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# Sysmex CA-560 System Specifications

## Measurement

• Principle:	Photo-optical, continuous sequential
• Method / channels:	Clotting (4 single channels), chromogenic and immunologic (1 single channel each)
• Source lamp:	4 LEDs (Light Emitting Diode) with 660 nm wavelength for clotting, 1 LED with 405 nm wavelength for chromogenic, 1 LED with 575 nm wavelength for immunologic

## Sample Handling

• Type of sample:	Primary tubes and sample cups
• Sampling mechanism:	Automated sample and standard pre-dilution
• Barcode identification:	Automatic positive sample identification
• Carrier system:	Continuous-access sample racks (10 tube capacity)
• Maximum load:	10 sample tubes
• Storage temperature:	Room temperature
• Racks:	1 sample rack Various specific sample holders available
• Handling:	Flexible mix of cups and various sample tubes, simultaneously

## Reagent Handling

• Dispensing mechanism:	1 heated probe
• Loading system:	Manual placement of reagents, removable reagent tray
• Reagents on board:	12 reagent positions (including buffer and rinse)
• Storage temperature:	4 cooled reagent positions on board at 15 °C 8 reagent positions at room temperature
• Handling:	Flexible mix of reagent positions Various adapters available

## Throughput

	Approx. 54 PT tests/hour
	Approx. 43 simultaneous PT/APTT/Fibrinogen tests/hour

## Operation

• Access mode:	Continuous random-access (reaction tubes)
• Calibration:	Automatic pre-defined calibration
• STAT:	1 priority position

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**Reaction Tubes**

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- Type: Single reaction tubes
  - Loading: Automatic continuous-access  
60 reaction tubes on board
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**System Fluid**

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- Cleaning and rinsing: Washing solution on board
  - System containers: 5L containers for water (rinse) and waste
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**Computer / Printer**

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- Workstation: Built-in PC
  - Display: Built-in touch screen
  - Printer: Built-in integral thermal graphic printer
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**Software**

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- Interface: ASTM, CA-1000 protocol
  - Host connection: Bi-directional RS-232C serial port
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**Power Supply**

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- Operating voltage: 117 VAC  $\pm$  10 %, or 230 VAC  $\pm$  15 %
  - Power consumption: 400 VA
  - Mains frequency: 50 – 60 Hz
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**Environmental Conditions**

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- Operating temperature: 15 - 35 °C, optimum 23 °C
  - Environmental humidity: 30 - 85 % (not condensing)
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**Dimensions**

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- Dimensions: 540 mm x 470 mm x 487 mm (W x D x H)
  - Weight: Approx. 45.0 kg
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**Quality Control**

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- X-control, Levy-Jennings control
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**Remarks**

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- The Sysmex CA-560 System is available for sale in the US and complies to the IVD Directive 98/79/EC.
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### Ordering Information

Catalog No.	Product Description	Quantity
013-3881-4	Sysmex CA-560 System	1 unit

For more information please contact your local sales representative or visit our website.

<sup>1</sup>Siemens is the exclusive distributor of Sysmex® CA Systems in Western Hemisphere and select countries worldwide.

This brochure is for use outside the United States. 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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