

For Enhanced Detection of Platelet Dysfunction



The INNOVANCE® PFA-200 System measures the complex process of primary hemostasis and aids in the rapid detection of platelet dysfunction. It incorporates high-shear flow to provide a realistic hemodynamic environment to initiate and monitor primary hemostasis.

INNOVANCE PFA-200 Test Cartridges enable identification of patients at risk for peri-operative bleeding.

- The Dade® PFA Collagen/EPI Test Cartridge provides effective assessment of presurgical therapy with desmopressin (DDVAP).
- The Dade PFA Collagen/ADP Test Cartridge differentiates major platelet dysfunction from aspirin-related dysfunction. The self-contained, disposable cartridges include all functional elements required for testing, while assuring consistency within each lot, as well as limiting test variability.
- The INNOVANCE PFA P2Y Test detects platelet P2Y12-receptor blockades in patients undergoing therapy with a P2Y12-receptor antagonist.

Clinical Applications

- Helps to detect inherited, acquired, and drug-induced platelet dysfunction
- Detects von Willebrand disease
- Assesses the anti-platelet effect of aspirin
- Evaluates platelet dysfunction in children
- Evaluates platelet dysfunction in multiple clinical settings such as high-bleeding-risk surgery, high-risk pregnancy, and menorrhagia
- Detects effects of Plavix® (Sanofi-Aventis) tablets in patients undergoing therapy with a P2Y12-receptor antagonist

INNOVANCE PFA-200 System

Answers for life.

SIEMENS

INNOVANCE PFA-200 System Specifications

Test System

• Principle:	High-shear force dynamic flow system
• Measuring channel:	Single measuring channel
• Incubation category:	Two incubation wells
• Incubation temperature:	37.9 °C ± 1.0 °C
• Incubation warm-up time:	< 15 minutes (room to operating temperature)
• Trigger solution:	Illuminated trigger solution viewing area

Sample Handling

• Type of sample:	Citrated whole blood
• Sample mechanism:	Manual pipette dispensing (800 µL)
• Barcode identification:	Optional external barcode reader for sample identification

Reagent Handling

• Type:	Single disposable self-contained test cartridges
• Reagent recognition:	Positive optical coding reagent cartridge identification
• Additional reagent:	Trigger solution

Throughput

• Single test:	INNOVANCE PFA P2Y, Dade Col/EPI, or Dade Col/ADP: 6 tests/hour
• Duplicate test:	Dade Col/EPI or Dade Col/ADP: 10 tests/hour

Software

• Interface:	Color LCD touchscreen
• Host connection:	Unidirectional, external RS-232 DB-9 port or ethernet network
• Sample ID:	Maximum 20 numeric characters
• Stored patient results, control results, and maintenance events:	Last 1,200 results
• Software update:	USB flash drive
• USB port:	Software updates, printer, barcode scanner, and result export
• Closure curve*:	Displayed on screen, printed as PDF, and exported to USB memory stick
• Quality control:	Built in
• Password/access levels:	Yes
• Onboard help:	Yes
• Instrumentation status:	Clear status messages (red, yellow, and green)

Computer/Printer

• Workstation:	Built-in PC
• Display:	Built-in touchscreen
• Printer:	Built-in 24 character-wide thermal printer, sound level printing 47 dB(A)
• Printer paper:	61.9 mm wide thermal paper roll with standard 5-year readable life

Power Supply

• Operating voltage:	100 – 240 VAC
• Main frequency:	50 – 60 Hz
• Current (maximum):	1.38 A @ 90 VAC
• Power consumption:	124 W (maximum)
• Fuse:	FERRL GLA 2.0A/250V Slo-Blo, Littelfuse, 5 x 20 mm, Type T
• Note:	Main supply voltage should not exceed recommended ranges

Environmental Conditions

• Operating temperature:	18 °C – 29 °C
• Non-operating storage:	-29 °C – 50 °C
• Relative humidity:	20 – 90 %
• Altitude (maximum):	2,000 meters
• Operating humidity:	20 – 90 % RH (non-condensing)
• Non-operating storage humidity:	0 – 95 % RH (non-condensing)
• Pollution degree:	2
• Degree of protection:	IP20 (according to IEC 60529)
• Heat emission:	94 kcal/h (375 BTU/h)
• Sound pressure level ¹ :	47 dB(A)
• Required space for ventilation:	5 cm on all sides
• Recommended workspace (L x W x H):	50 cm x 35 cm x 60 cm; 19.7" x 13.8" x 23.6"

Dimensions

• Dimensions (L x W x H):	37.3 cm x 25.6 cm x 37.4 cm; 14.7" x 10.1" x 14.7"
• Weight:	10.0 kg
• Required load capacity of worktop:	50 kg

Remarks

The INNOVANCE PFA-200 System complies with the IVD Directive 98/79/EC. The system is not available for sale in the U.S.

*For research use only. Not for use in diagnostic procedures.

1. During sound pressure level measurement, the system was operated as in normal use with all accessories connected. The sound pressure level was measured from a distance of 1 m from the surface of the system and a height of 1.6 m from the floor or access platform. The measurement was performed using an A-weighted sound pressure level meter. The ambient noise was measured as 47 dB(A).

Ordering Information			
Catalog No.	Siemens Material No.	Contents	Package Size
B4170-100	10488536	INNOVANCE PFA-200 System	1 unit
B4170-20	10445696	Dade PFA Collagen/EPI Test Cartridge	1 x 20 pieces
B4170-21	10445698	Dade PFA Collagen/ADP Test Cartridge	1 x 20 pieces
B4170-22	10445700	INNOVANCE PFA P2Y Test	1 x 20 pieces
B4170-50	10445701	Dade PFA Trigger Solution	3 x 11 mL
OPJG 03	10481748	INNOVANCE PFA-200 Printer Paper	5 rolls
B4170-70	10459383	Dade PFA Cassettes	1 x 5 pieces
B4170-73	10459386	Dade PFA Cleaning Pads	1 x 35 pieces
B4170-74	10445702	Dade PFA Priming Cartridges	10 pieces
B4170-75	10445703	Dade PFA Vacuum Cups	35 pieces
B4170-77	10459387	Dade PFA O-Ring Service Tool	1 unit
B4170-78	10459388	Dade PFA O-Rings	1 x 2 pieces
ELO14039-20387	10485282	Target paper	100 pieces

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