Atellica VTLi Patient-side Immunoassay Analyzer

A vital leap forward in cardiac testing

Speed meets accuracy where it matters most—
the wait is over for hs-cTnI at the point of care.

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Atellica® VTLi Analyzer Specifications

System description		Patient-side immunoassay analyzer
System menu	Parameter	High-sensitivity cardiac troponin I (hs-cTnI) BNP*
	Measurement range	LoD–1250 ng/L† LoD plasma 1.2 ng/L† LoD whole blood 1.6 ng/L†
Sample types	Whole blood	Venous (lithium heparin†), capillary
	Plasma	Venous (lithium heparin†)
Sample size		30–100 µL
Time to result		~8 minutes
Calibration		Reagent cartridges contain calibration parameters valid on RFiD tag until expiry. Optical system calibration is automatically performed during every test
Quality control		Sero PATHONORM™ Cardiac Acute Liq
Integrated barcode scanner		For patient ID, operator ID, and bottled QC;1D (linear) and 2D bar-code symbologies
External interfaces		POCT1A
Docking station power requirements	Input	100–240 VAC, 50–60 Hz, 660 mA
	Output	19 VDC, 1570 mA
	Classification	Class II

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Atellica VTLi Analyzer Specifications (continued)

Operation on battery		~60 tests on a fully charged battery	
Safety		IEC 61010-1, IEC 61010-2-101	
EMC		IEC 61326-1, IEC 61326-2-6	
Data security		Patient data anonymization	
		TLS 1.2-encrypted end-to-end communication using client and server certificates	
		Configurable level of user authentication	
		No storage of passwords, no hard-coded passwords	
		No user access to operating system	
Hardware	Operating system	Microsoft WEC2013	
	Processor	NXP i.MX 6SoloX	
	Memory	512 MB RAM	
WI-FI		802.11 b/g/n/ac	
		2.4 GHz	
WI-FI security		WPA/WPA2 Personal (pre-shared key)	
Data capacity	Patient/QA tests	100 tests	
	Operators	Not limited	
Reagent cartridge	Storage	2–8°C	
	Shelf life	7 months	
	Size of box (W x D x H)	152 x 95 x 167 mm	
	Cartridges per box	24	
System dimensions	Analyzer	Length	25 cm
		Height	5.2 cm
		Width	8.5 cm
		Weight (incl. battery)	780 g
		Weight	580 g
	Display	4.3-inch color LCD touchscreen with backlight	
	Docking station	Length	29 cm
		Height	6 cm
		Width	10 cm
		Weight	460 g
Environmental requirements	Operating temperature	5–27°C	
	Humidity	20–80% (noncondensing)	
	Air pressure	70–110 kPa	
	Storage temperature	−20 to 55°C	
	Storage humidity	5–85% (noncondensing)	

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