Atellica Sample Handler
Technical Specifications

Atellica Solution*

Flexible, scalable, automation-ready immunoassay and clinical chemistry analyzers engineered to deliver control and simplicity so you can drive better outcomes

Experience the power of the Atellica™ Solution, featuring patented bidirectional magnetic sample transport technology, the flexibility to create over 300 customizable configurations, and a broad assay menu* with proven detection technologies.

The Atellica™ Sample Handler is the sample processing component of the Atellica Solution and serves as the input/output interface regardless of the number of connected analyzers. The patented Atellica Magline™ Transport connects all components in an integrated workflow. A multi-camera vision system with 360° view is designed to reduce bar-code reading errors, exception handling, and operator intervention.

Controls and calibrators are refrigerated onboard and can be shared by all connected analyzers. Automated scheduling and delivery simplify the calibration and quality control process.

Up to three Atellica Sample Handlers can be integrated with up to seven Atellica Solution immunoassay and chemistry analyzers.

*Product availability will vary by country.

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Description	Sample-handling component of Atellica™ Solution for input/output of routine samples, STAT samples, calibrators, and QC. Connects to the Atellica Solution immunoassay and clinical chemistry analyzers with the Atellica Magline™ Transport.
Configurations	Up to three Atellica™ Sample Handlers per configuration, supporting up to seven analyzers; connects to Aptio® Automation via Atellica™ Sample Handler Connect
Field-upgradable	Yes—additional Atellica Sample Handlers can be added to an existing configuration
Sample Handling	
Post-analytical Sorting	220 user-defined output positions
Sample Throughput	Up to 500 tubes per hour
Sample Capacity	440
Primary-tube Sampling	Yes, either direct or via an adapter for supported container types
Supported Tubes	>30 sample container types, including tube-top cups and micro-collection devices (list of validated containers available upon request)
Identification of Nonsupported Tubes	Validated containers are automatically processed based on their characteristics. When nonvalidated containers are identified, the operator is alerted to remove them, and the sample will not be processed.
STAT Management	
Loading	15–position STAT racks loaded in any position in the Atellica Sample Handler
Prioritization	STAT racks are recognized upon closing the drawer. STAT samples are immediately prioritized and supersede routine sample processing.
Calibration/QC Storage	
Calibration/Control Capacity	60 positions
Cal/QC Temperature	Refrigerated, 2–8°C in a covered, enclosed environment
Atellica Magline Transport	
Individual Sample Management	Yes
Sampling	Direct tube aspiration
Turns	90-degree turns: up to two per system
Technology	Electromagnetic
Sample Tracking	Continuous chain of custody
User Interface/Data Management	
Monitor	22-inch touchscreen monitor
Operating System	MICROSOFT WINDOWS EMBEDDED STANDARD
System Documentation	Operator's manual, quickstart guide, and online help
Data Storage	1 million-test capacity; can archive to removable media
Host Interface	TCP/IP bidirectional—Ethernet
Host Query	TCP/IP—ASTM, IHE LAW-certified HL7 interface; system requests work order or batch of work orders from host
Remote Access and Service	Siemens Remote Service via 1000BASE-T Ethernet port

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Maintenance	
Daily	Automated: <5 minutes; hands-on: 0 minutes
Onboard Maintenance Logs	Schedule and monitor routine maintenance activities via software
General Specifications	
Power Requirements	200–240 VAC ±10%, 50/60 Hz
Water Requirements	None
Drain Requirements	None
Dimensions	Without monitor and without Atellica Magline loop: 146 (h) x 98 (w) x 145 (d) cm; 57.5 (h) x 38.6 (w) x 57.1 (d) inches
Weight	476 kg (1050 lb)
Compliance	Complies with international environmental, health, and safety standards including CE and RoHS
Noise Emission	Average Sound Pressure Level: 53.4 dBA
Ambient Temperature	18°–30°C (64°–86°F)
Ambient Humidity	20–80% noncondensing
Altitude	0–2000 m (0–6562 feet)
Overvoltage Classification	Category II
Removable Media	USB
Compressed Air	None

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Atellica Portfolio of Laboratory Products

Engineered by Siemens Healthineers to deliver control and simplicity so you can drive better outcomes.

Tighter control of your lab, simplified workflow, and more time to focus on driving better business and clinical outcomes— that's the promise of our Atellica™ portfolio of laboratory products.

Control. Simplicity. Better Outcomes.

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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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