

Technical Specifications

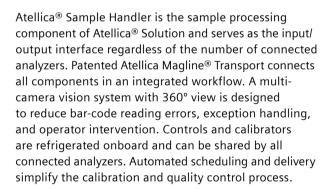
Atellica Sample Handler











Up to two Atellica Sample Handlers can be integrated with combinations of Atellica® CH Analyzer and Atellica® IM Analyzer.

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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 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.





Technical Specifications

Description	Sample-handling component of Atellica Solution for input/output of routine samples, STAT samples, calibrators, and QC. Connects to Atellica Solution immunoassay and clinical chemistry analyzers with Atellica Magline Transport.
Configurations	Up to two 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	
Sample Throughput	Up to 500 tubes per hour
Sample Capacity	Up to 440 samples using 15-position racks and/or 55-position racks
Primary-tube Sampling	Yes, either direct or via an adapter for supported container types
Supported Tubes	Most common sample container types, including tube-top cups and micro-collection devices (list of validated containers available upon request)
Sorting and Archiving	User-defined sorting and archiving rules
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 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 and Check-in	Continuous chain of custody. Sample tracking from check-in to result.
User Interface/Data Manager	ment
Monitor	22-inch touchscreen monitor
Operating System	MICROSOFT WINDOWS EMBEDDED STANDARD
System Documentation	Operator's Guide, Quick Guide, and Online Help
Data Storage	Up to 1 million results: 500,000 active and 500,000 historical; 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

Maintenance

Daily	Automated: <5 minutes
Monthly	Hands-on: <5 minutes
As Needed	Refer to Online Help for additional periodic maintenance
Daily Atellica Magline Transport Autocheck	Automated: 10 minutes
Database Maintenance	Automated 5–30 minutes*
Onboard Maintenance Logs	Schedule and monitor routine maintenance activities via software
General Specifications	
Power Requirements	Requires a 4.4 kVA (U.S.)/3.7 kVA (EU) power source; single-phase, 2-pole, 3-wire configuration; with Class III

Power Requirements	Requires a 4.4 kVA (U.S.)/3.7 kVA (EU) power source; single-phase, 2-pole, 3-wire configuration; with Class III grounding. Will support incoming AC voltage from a nominal line voltage range of 200 to 240 VAC, 50/60 Hz. Main supply voltage fluctuations are not to exceed ±10 percent of the nominal voltage.
Power Consumption	1.9 kilowatts/hour (maximum)
Water Requirements	None
Drain Requirements	None
Dimensions	Without monitor and with Atellica Magline loop: 146.5 (h) x 122.2† (w) x 143.1 (d) cm; 57.7 (h) x 48.1† (w) x 56.4 (d) inches
Weight	With Atellica Magline loop: 464.5 kg (1035 lb)
Compliance	Complies with international environmental, health, and safety standards including CE and RoHS
Noise Emission	Average sound pressure level: 53 dBA
Processing Heat Output	3661 BTU/hour
Ambient Temperature	18–30°C (64–86°F)
Ambient Humidity	20–80% noncondensing
Altitude	0-4000 m (13,122 ft)
Floor Load-bearing Requirement	266 kg/m²‡
Overvoltage Classification	Category II
Removable Media	USB
Compressed Air	None

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.

At Siemens Healthineers, we pioneer breakthroughs in healthcare. For everyone. Everywhere. Sustainably. As a leader in medical technology, we want to advance a world in which breakthroughs in healthcare create new possibilities with a minimal impact on our planet. By consistently bringing innovations to the market, we enable healthcare professionals to innovate personalized care, achieve operational excellence, and transform the system of care.

Our portfolio, spanning in vitro and in vivo diagnostics to imageguided therapy and cancer care, is crucial for clinical decision-making and treatment pathways. With the unique combination of our strengths in patient twinning,* precision therapy, as well as digital, data, and artificial intelligence (AI), we are well positioned to take on the greatest challenges in healthcare. We will continue to build on these strengths to help overcome the world's most threatening diseases, enable efficient operations, and expand access to care.

We are a team of more than 71,000 Healthineers in over 70 countries passionately pushing the boundaries of what is possible in healthcare to help improve the lives of people around the world.

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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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^{*}Personalization of diagnosis, therapy selection and monitoring, aftercare, and managing health.