



## Technical Specifications

# Atellica Sample Handler



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.

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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 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.



# Technical Specifications

## Product Specifications

<b>Description</b>	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.
<b>Configurations</b>	Up to three Atellica Sample Handlers per configuration, supporting up to seven analyzers; connects to Aptio® Automation via Atellica® Sample Handler Connect
<b>Field-upgradable</b>	Yes—additional Atellica Sample Handlers can be added to an existing configuration

## Sample Handling

<b>Sample Throughput</b>	Up to 500 tubes per hour
<b>Sample Capacity</b>	Up to 440 samples using 15-position racks and/or 55-position racks
<b>Primary-tube Sampling</b>	Yes, either direct or via an adapter for supported container types
<b>Supported Tubes</b>	>30 sample container types, including tube-top cups and micro-collection devices (list of validated containers available upon request)
<b>Post-analytical Sorting</b>	220 user-defined output positions
<b>Identification of Nonsupported Tubes</b>	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

<b>Loading</b>	15-position STAT racks loaded in any position in the Atellica Sample Handler
<b>Prioritization</b>	STAT racks are recognized upon closing the drawer. STAT samples are immediately prioritized and supersede routine sample processing.

## Calibration/QC Storage

<b>Calibration/Control Capacity</b>	60 positions
<b>Cal/QC Temperature</b>	Refrigerated, 2–8°C in a covered, enclosed environment

## Atellica Magline Transport

<b>Individual Sample Management</b>	Yes
<b>Sampling</b>	Direct tube aspiration
<b>Turns</b>	90-degree turns: up to two per system
<b>Technology</b>	Electromagnetic
<b>Sample Tracking</b>	Continuous chain of custody

## User Interface/Data Management

<b>Monitor</b>	22-inch touchscreen monitor
<b>Operating System</b>	MICROSOFT WINDOWS EMBEDDED STANDARD
<b>System Documentation</b>	Operator's Guide, Quick Guide, and Online Help
<b>Data Storage</b>	Up to 1 million results: 500,000 active and 500,000 historical; can archive to removable media
<b>Host Interface</b>	TCP/IP bidirectional—Ethernet
<b>Host Query</b>	TCP/IP—ASTM, IHE LAW-certified HL7 interface; system requests work order or batch of work orders from host
<b>Remote Access and Service</b>	Smart Remote Services via 1000BASE-T Ethernet port

## 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 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 $\pm 10$ 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 <sup>†</sup> (w) x 143.1 (d) cm; 57.7 (h) x 48.1 <sup>†</sup> (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/m <sup>2†</sup>
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.**

\*Activities can be scheduled and are dependent on size and frequency of performance of activities

<sup>†</sup>Width measurement without the Atellica Magline loop is 98 cm (38.6 inches).

At Siemens Healthineers, we pioneer breakthroughs in healthcare. For everyone. Everywhere. By constantly bringing breakthrough innovations to market, we enable healthcare professionals to deliver high-quality care, leading to the best possible outcome for patients.

Our portfolio, spanning from in-vitro and in-vivo diagnostics to image-guided therapy and innovative cancer care, is crucial for clinical decision-making and treatment pathways. With our strengths in patient twinning, precision therapy, as well as digital, data, and artificial intelligence (AI), we are well positioned to take on the biggest challenges in healthcare. We will continue to build on these strengths to help fight the world's most threatening diseases, improving the quality of outcomes, and enabling access to care.

We are a team of 66,000 highly dedicated employees across more than 70 countries passionately pushing the boundaries of what's possible in healthcare to help improve people's lives around the world.

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