Atellica® Solution
Snapshot I

Key system features

- **Intelligent sample routing** controls every sample from routines to STATs, which are prioritized and **sampled in under 1 minute.**
- Atellica Magline® Transport patented **bidirectional magnetic transport** with variable speed movement of precious samples; allows predictable TAT.
- Supports over **40 sample container types**, including pediatric, tube-top cups, and special containers.
- **Single-carriertransport** (taxi) vs. rack-based (bus) system offers independent control and supports intelligent sample routing.
- 360° view **multi-camera vision system decreases** bar-code read errors and handles tube characterization.
- Large (60 positions), separate, dedicated refrigerated onboard storage and **automatic management of QC and calibration materials** reduce errors and operator interactions, saving valuable time and ensuring quality of results.
- **Microvolume technology** enables small sample volume, and concentrated reagents provide increased walkaway time. Dead volume as low as 10 µL is important for pediatric sample testing.
- Immunoassay analyzer runs **up to 440 tests per hour**,* the industry's fastest immunoassay throughput.
- **Innovative engineering design of the Atellica® IM analyzers** positively impacts performance and assay quality (e.g., patented dual-incubation rings, extended wash, built-in temperature and humidity controls).
- **Less than 5 minutes** of operator time is required **daily for hands-on maintenance.**

Assays

- Extensive, broad menu **(222† assays OUS, 201† in the U.S.).**
- **10-minute turnaround time for STATs** (iPTH, hCG, most cardiac assays) provides fast results when it matters most.
- True **high-sensitivity troponin I** assay provides accurate results with no biotin (up to 3500 ng/mL) and hemolysis (up to 500 mg/dL) interferences and consistently meets the IFCC‡ guidelines.
- Quality **COV2T**§ assay has a **10-min TAT,** currently the fastest on the market** and the only assay to meet the sensitivity and specificity criteria in PHE†† comparison study.
- Major **achievements in infectious disease design,** including over **20 available assays**: first FDA-approved automated HIV assay; Zika Test; disposable tips to eliminate sample carryover; Hot Zone and SMART Algorithm; HCV third-generation HCV performance.‡‡

Data management (including Diagnostics IT)

- Review by exception through basic rules for **autoverification and range checking.**
- **Auto QC flagging** with patient sample management (i.e., allows samples to be held until flag is cleared).
- Flexiblereal-time **KPI monitoring and reporting** (e.g., workload, assay utilization, real time TAT).
- In partnership with Atellica Diagnostics IT, this portfolio is a **comprehensive suite** of products that **consolidates** sample, process, result, QC, and inventory data for **greater insights.**
  - **Atellica® Data Manager (ADM)** leverages decades of innovation and laboratory best practices from **2000+ labs in 60+ countries** to efficiently manage patient and QC testing.
  - **Atellica® Process Manager (APM)** provides real-time monitoring of instruments, consumables and TAT, and powerful insight through drill-down **analytics with 15 out of the box reports.**
  - **Atellica® Inventory Manager (AIM)** automates the ordering, receipt, check-in, consumption tracking, and reordering of consumables to **reduce cost, save time, and improve quality.**

Service innovations

- **Guardian Program 24/7 remote system monitoring** for 90+ selected critical components helps **predict possible instrument failures up to 21 days in advance**—powered by artificial intelligence.
- **Remote Assistance** easily connects customers to a Siemens Healthineers expert for fast support via the instrument's User Interface or operator's tablet.
- Fully **automated alignment** of selected **user-replaceable parts** enables fast troubleshooting without the need for service interventions.

Find it at **fisherhealthcare.com**

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SIEMENS Healthineers

Atellica® Solution

"It's all in here."

Take full advantage of built-in, automated features

Hardware

- Decapping
- Expanded sorting capabilities
- Archiving
- Flexible bar-code read by multi-camera 360° view vision system
- Bidirectional Atellica Magline Transport system
- Small sample cups reduce dead volume for precious samples
- 60-position onboard refrigerated QC material
- QC/calibration storage compartment
- Remote video functionality (tablet)

Software

- Auto deployment of QC/calibrations
- Autovalidation
- Delta checks
- Patient moving average
- Assay utilization report
- Customized QC management plan (e.g., auto order and execute based on date/time, pack switch, etc.)
- Robust QC package including Westgard, RiLiBÄK QC rules
- Lab accreditation reporting (linearity studies, reagent and QC lot crossover, and simple precision within-run repeatability)
- Access to comprehensive online help and education materials, including 223+ job aids, videos, training modules with assessments specifically for Atellica Solution

Service innovations

- Remote Assistance (utilizing User Interface and operator tablet)
- Guardian Program remote 24/7 system monitoring
- Remote software update handling
- Automatic alignment of user-replaceable parts
- System self-recovery function

Product availability may vary from country to country and is subject to varying regulatory requirements.

Productivity you can count on

Powered for workflow and workforce efficiency, the Atellica® Solution delivers control and simplicity so you can drive better outcomes

**Dependent upon test mix.*
†As of September 30, 2020.
‡Demonstrated in independent third-party publication: Apple FS. Sex specific 99th percentile upper reference limits for high sensitivity cardiac troponin assays derived using a universal sample bank. Clinical Chemistry. 2020;66(3):434-44.
§This test has not been FDA-cleared or approved. This test has been authorized by FDA under an EUA for use by authorized laboratories. This test has been authorized only for detecting the presence of antibodies against SARS CoV 2, not for any other viruses or pathogens. This test is only authorized for the duration of the declaration that circumstances exist justifying the authorization of emergency use of in vitro diagnostics for detection and/or diagnosis of COVID 19 under Section 564(b)(1) of the Act, 21 U.S.C. § 360bbb 3(b)(1), unless the authorization is terminated or revoked sooner. Product availability may vary by country and is subject to regulatory requirements.
***Fastest TAT among the top 5 leading IVD manufacturers (Abbott, Beckman, Ortho, Roche, and Siemens Healthineers).*
††Evaluation of sensitivity and specificity of four commercially available SARS-CoV-2 antibody immunoassays. Public Health England. July, 2020. GW-1386.
‡‡Third-generation HCV assays detect the NS5 protein, designed for improved sensitivity and specificity.

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