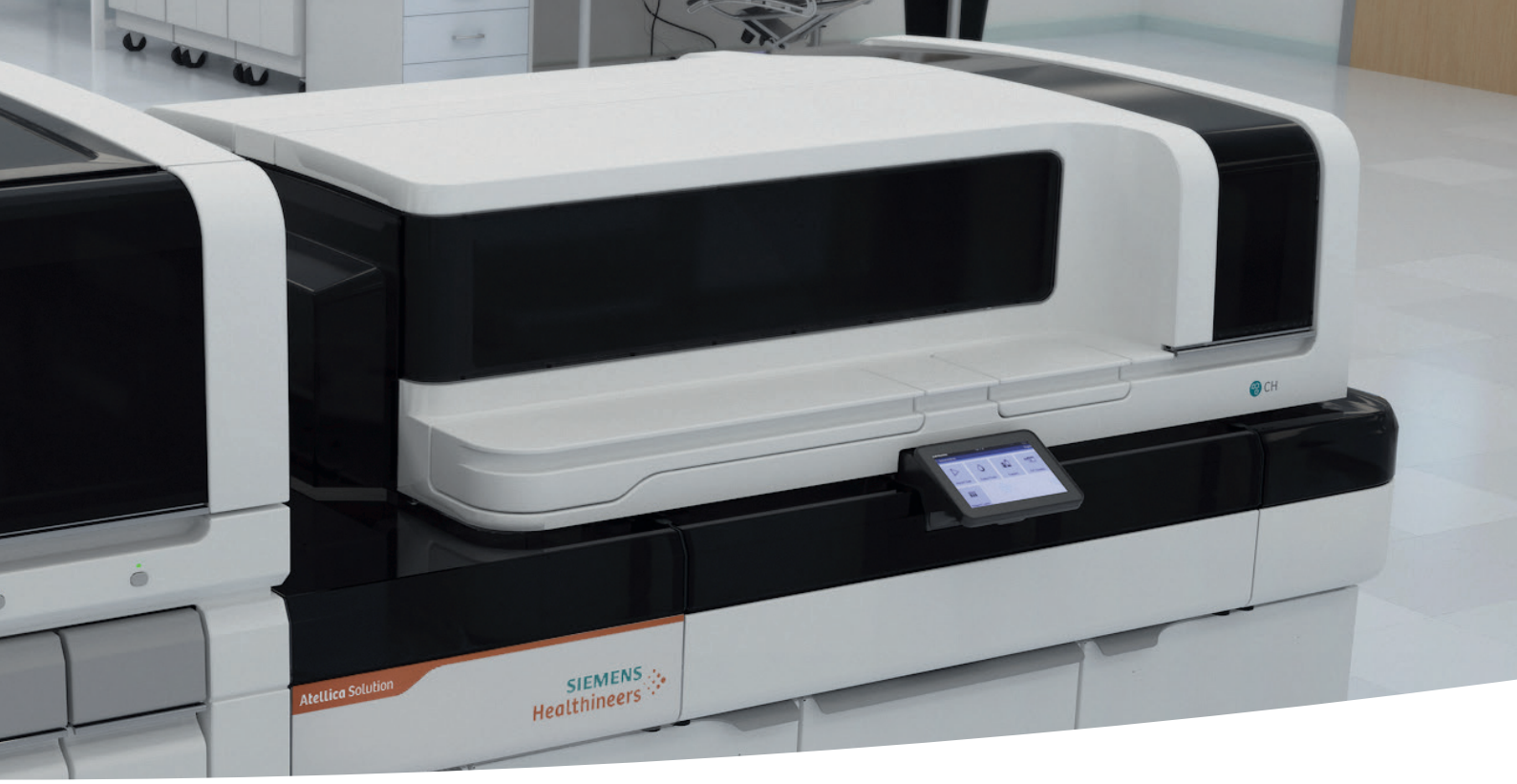

Atellica CH 930 Analyzer

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® CH 930 Analyzer utilizes proven micro-volume technology for photometric testing and highly reliable integrated multisensor technology (IMT) for electrolyte testing. The Atellica CH 930 Analyzer uses the same reagents and consumables in every configuration for streamlined inventory management and consistent patient results, no matter where the samples are tested.

Up to six Atellica CH 930 Analyzers can be connected in the Atellica Solution to accommodate chemistry testing volume.

Technical Specifications

Product Specifications	
Description	Chemistry analyzer with electrolyte (IMT) and photometric testing capabilities
Test Throughput	Up to 1800 tests/hour: 1200 tests/hour photometric, 600 tests/hour IMT
Walkaway Time	Up to 5 hours
Sample Handling	
Validated Sample Types	Serum, plasma, CSF, urine, whole blood (assay-specific)
Sample Integrity Control	Liquid-level sensing, clot detection, bubble detection, short-sample detection; hemolysis, icterus, and lipemia checks
Auto-repeat	Automatic repeat testing from the retained prediluted sample or original sample
Sample Dilution	For photometric tests, samples diluted 1:5 (50 µL sample + 200 µL CH diluent generates up to 15 test results), retained for auto-repeat; automatic dilution from retained prediluted sample when volume is adequate
Auto-reflex Testing	Will perform additional tests based on results of first test or test combination
Sample Carryover Prevention	Extensive washing protocols help minimize carryover
Predilution Tray	115 dilution cuvettes: five segments of 23 cuvettes
Sample Volume per Test	Photometric: 0.4 µL to 5.0 µL (varies by assay) IMT: 25 µL produces results for sodium (Na+), potassium (K+), and chloride (CL-)
Reaction Area	
Reaction Cuvettes	221 reusable plastic cuvettes: 13 segments with 17 cuvettes each for reaction
Reaction Temperature	37°C ±0.3°C
Reaction Detection	Photometer: 11 fixed wavelengths (340, 410, 451, 478, 505, 545, 571, 596, 658, 694, 805 nm)
Light Source	12 V, 50 W halogen lamp supplemented by LED at 340 nm
Assay Result Calculations	Endpoint (EPA), rate reaction (RRA), 2-point rate (2PA), sample blank correction
Assay Times	3–10 minutes, assay dependent
Assay Technology	Potentiometric, photometric, turbidimetric
Reagent Handling	
Reagent Compartments	Two trays (70 positions each), refrigerated
Assays Onboard	67 reagent positions for photometric and 3 IMT (Na, K, Cl) for a total of 70 assays onboard
Test Capacity Onboard	Up to 100,000 tests can be generated with the use of concentrated reagents
Reagent Packs	50 mL dual-well reagent containers (2 x 25 mL each); 95–2100 tests per pack
Reagent Integrity Control	Reagent pack bar-code identification; automatic tracking and notification of inventory, calibration and control validity, onboard stability, low and expired reagents, detection of reagent bubbles
Onboard Stability	Up to 60 days, assay-dependent
Reagent Inventory Management	Automatic tracking and notification of remaining tests, onboard stability and expiration, calibration, and storage conditions for each pack and well
Dispensing System	Two probes with liquid-level sensing
Bar-code-labeled Packs	Yes
Average Reagent Volume	10–100 µL per test, assay-dependent
Open Channels	Available; configurable to assay specifications
Integrated Multisensor Technology (IMT) for Na+, K+, Cl-	
Assay Time	18 seconds
Sample Volume	25 µL produces three results
Sample Dilution	Automatic 1:10
Calibration	Automatic calibration
Priming	Automatic priming cycle
A-LYTE™ Integrated Multisensor Technology Cartridge Use Life	Up to 5000 samples or 14 days

Atellica Solution | Atellica CH 930 Analyzer

Technical Specifications

Calibration/QC	
Auto-calibration	Automatic assay-specific lot and pack calibration (when connected to Atellica® Sample Handler)
Calibration Review	Graphical display of calibration curves from a minimum of 20 different reagent lots and 20 reagent packs for each assay
Auto-QC	Automatic, user-defined, assay-specific quality control (when connected to Atellica Sample Handler)
Quality Control Review	Advanced QC package with graphical display of QC in real time, including patient moving averages, Levey-Jennings plots, Westgard rules, RiliBÄK rules; up to 125,000 control results can be stored; archivable to removable media
QC/Calibration Material	QC and calibration material is auto-loaded, tracked, and stored in a 60-position covered and refrigerated compartment and automatically deployed to analyzers when QC or calibration is scheduled (when connected to Atellica Sample Handler)
Maintenance	
Daily	Automated: <40 minutes; hands-on: <5 minutes
Weekly	Automated: <60 minutes; hands-on: <5 minutes. Daily maintenance not required when weekly maintenance is performed.
Monthly	Hands-on: <20 minutes
As Needed	Refer to Operator's Guide for additional periodic maintenance
Maintenance Logs	Automated onboard scheduling, notification, and reporting
General Specifications	
Power Requirements	Requires a 4.4 kVA (US)/3.7kVA (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 Input Requirements	Incoming pressure from 5 psi and 30 psi at a temperature of 10–30°C
Water Quality Requirements	CLSI Special Reagent Water: • Resistivity: ≥10 MΩ-cm • Bacteria: ≤50 cfu/mL • Total Organic Carbon (TOC): ≤500 ppb • Laboratory purification system must include a stage that blocks passage of particles ≥0.22 µm, at or near the output stage
Maximum Water Consumption	33 liters (8.7 gallons) per hour
Drain Requirements	Minimum of 40 liters (10.6 gallons) per hour per analyzer
Dimensions	136.4 (h) x 145.3 (w) x 118.3 (d) cm; 53.7 (h) x 57.2 (w) x 46.6 (d) inches
Weight	470.4 kg (962 lb)
Compliance	Complies with international environmental, health and safety standards including CE and RoHS
Noise Emission	Average Sound Pressure Level: 50 dBA
Processing Heat Output	5210 BTU/hour
Ambient Temperature	18–30°C (64–86°F)
Ambient Humidity	20–80% noncondensing
Altitude	0–2000 m
Floor Load-Bearing Requirement	274 kg/m^2
Overvoltage Classification	Category II
Pollution Classification	Degree 2
Removable Media	USB

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.

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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