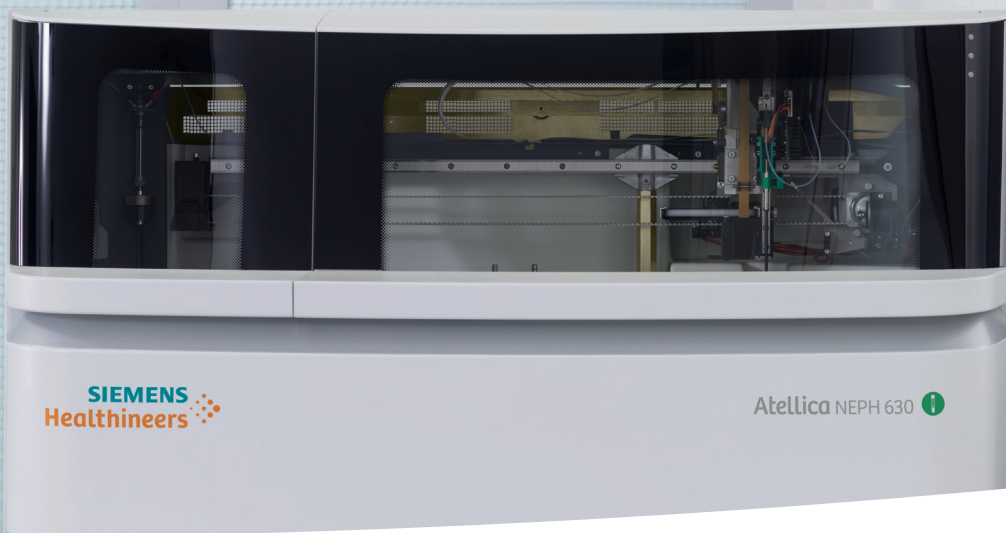
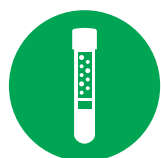


Smart.
Simple.
Secure.

Atellica NEPH 630 System

Technical Specifications



The Atellica™ NEPH 630 System* is a mid-volume dedicated nephelometric system that simplifies lab operations by offering the broadest menu of protein tests on multiple sample types, streamlines workflow with highly intelligent software, and provides secure, smart and simple testing.

Measuring principle	Nephelometry; measurement of the scattered light intensity in a fixed angle of 13–24°
Methods	More than 60 programmed assay protocols
Sample throughput	Effective: Approximately 65 tests/hour depending on the assay mix Nominal: 100 tests/hour
Analysis method	Fixed-time kinetics, end-point measurement, VLin Integral
Calibration	Multi-point calibration
Reagent Rotor	Segments for 3 control serum vials Segments for 2 reagent vials
Sample Rotor	Segments for 15 sample tubes Segments for 7 standard vials
Dilution unit	1 frame for max. 96 dilution cups
Size of sample tubes	Diameter: 11–16 mm Height: 65–100 mm For pediatric samples: Conical microtubes with a maximum filling volume of 1.5 mL
Bar code reader	Automatic reading of different bar code types: 2/5 interleaved, Codabar, Code 39, Code 93, Code 128
Reagent volume	40 µL reagent consumption on average
Sample dilution	1:1 to 1:32,000
Level detection	For samples, standards, controls, reagents, and container for system liquid and waste
Reaction cuvettes	90 disposable cuvettes
Measuring temperature	37 ± 1.5°C
Light source	Infrared high performance LED
Wavelength	840 ± 10 nm
Detector	Photodiode with integrated pre-amplifier
Connectivity[§]	Laboratory Information System (download mode, host query mode, ASTM) Siemens Remote Service Atellica PM 1.0 Software [†] Centralink® Data Management System

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Instrument weight and dimensions

Analyzer dimensions (W x H x D) 107 x 60 (lids closed) x 63 cm (42.1 x 23.6 x 24.8 in.)

Computer and monitor dimensions (W x H x D including keyboard) Approx. 36 x 46 x 55 cm (14.25 x 18 x 21.5 in.)[‡]

Printer[§] dimensions (W x H x D) Approx. 41 x 27 x 37 cm (16 x 10.5 x 14.5 in.)[‡]

Analyzer weight 115 kg (254 lb.)

Computer and monitor weight Approx. 14 kg (31 lbs)[‡]

Printer weight Approx. 7 kg (16.1 lb.)[‡]

Room environment

Ambient temperature 18 to 32°C (64 to 89°F)

Relative humidity <85% (non-condensing)

Average thermal output 404 W in operating mode

Water requirements Deionized water NCCLS Type 2
Microbial count must not exceed 100 CFU/mL

Electrical installation requirements

Voltage 100 V rating: 90 to 110 V
120 V rating: 108 to 132 V
230 V rating: 207 to 253 V

Power consumption 500 VA (operating mode)

Host interfacing Download mode, host-query mode, ASTM

Ports 1 10-Base-T/Base TX Ethernet RJ45
1 Serial (DB-9) (male)

Computer and printer

Terminal Windows computer

Printer[§] Standard laser printer

*Not available for sale in the U.S. Product availability varies by country. Please contact your local representative for availability.

†Under development. Not available for sale. Future availability cannot be guaranteed.

‡Dependent on model

§Sold separately

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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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