

Technical Specifications

Atellica NEPH 630 System

Smart.
Simple.
Secure.

siemens-healthineers.com/atellica-neph-630

The Atellica® NEPH 630 System* is a dedicated, mid-volume, random-access nephelometric system that simplifies lab operations by offering the broadest menu of protein tests on different sample types, including cerebrospinal fluid, serum, urine, and plasma.† It streamlines workflows and reporting with highly intelligent software and an advanced QC interface, while enabling secure, smart, and simple testing.

Product specifications

Measuring principle	Nephelometry; measurement of scattered light intensity at a fixed angle of 13–24°
Methods	More than 70 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

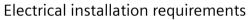
Bar-code reader	Automatic reading of different bar-code types: 2/5 interleaved, Codabar, Code 39, Code 93, Code 128
Reagent volume	Average consumption: 40 μ L per test
Sample dilution	1:1 to 1:32,000
Level detection	For samples, standards, controls, reagents, and container for system liquid and waste
Reaction cuvettes	Capacity: 90 disposable cuvettes
Measuring temperature	37°C, ±1.5°C
Light source	Infrared high-performance LED
Wavelength	840 nm, ±10 nm
Detector	Photodiode with integrated preamplifier
Connectivity†	Laboratory information system (download mode, host query mode, ASTM)
	Smart Remote Services
	Atellica Process Manager§
	Atellica Data Manager



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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 lb)**
Printer weight	Approx. 7 kg (16.1 lb)**
Room environment	
Ambient temperature	18–32°C (64–89°F)
Relative humidity	<85% (noncondensing)
Average thermal output	404 W in operating mode
Water requirements	Deionized water NCCLS Type 2 Microbial count must not exceed 100 CFU/mL



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

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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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[†] As of February 2022.

[‡] Sold separately.

[§] Reagent efficiency report is not supported on the Atellica NEPH 630 System.

^{**} Depending on model.