



Technical Specifications

BN II System

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Product specifications

Measuring principle	Nephelometry; measurement of the scattered light intensity in a fixed angle of 13–24°
Methods	More than 65 programmed assay protocols
Sample throughput	Effective: Approx. 130 tests/hour depending on the assay mix Nominal: 225 tests/hour
Analysis method	Fixed-time kinetics, end-point measurement, VLin Integral
Calibration	Multi-point calibration
Rack transport unit	Racks for up to 8 standard or control vials Racks for up to 7 reagent vials Racks for up to 10 sample tubes
Dilution unit	2 frames for a maximum of 264 dilution cups
Size of sample tubes	Diameter: 12–16 mm Height: 55–100 mm For pediatric samples: Conical microtubes with a maximum filling vol of 1.5 mL

Bar code types	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 1:160,000
Level detection	For samples, standards, controls, reagents, and system liquid containers
Reaction cuvettes	60 reusable cuvettes
Measuring temperature	37 ± 1.5°C
Light source	Infrared high performance LED
Wavelength	840 ± 25 nm
Detector	Photodiode with integrated pre-amplifier
Connectivity	RS232 bi-directional host interface Aptio® Automation and FlexLab Automation solutions Atellica® Data Manager Atellica Process Manager

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Instrument weight and dimensions

Analyzer dimensions (W x H with tubings x D)	124 x 92 x 63 cm (49 x 36 x 25 in.)
Computer dimensions (W x H x D)	Approx. 43 x 43 x 17 cm (17 x 17 x 7 in.)*
Depth with keyboard	Approx. 74 cm (29 in.)*
Printer dimensions (W x H x D)	Approx. 41 x 27 x 37 cm (16 x 11 x 15 in.)*
Total bench length	Approx. 230 cm (90 in.)*
Analyzer weight	150 kg (330 lb.)
Terminal weight	Approx. 7 kg (15.4 lb.)*

Room environment

Ambient temperature	18 to 32°C (65 to 89°F)
Relative humidity	Maintain between 30% and 85% (non-condensing)
Average thermal output	340 BTU/hr (100 W) in standby mode 975 BTU/hr (286 W) in operating mode
Water requirements	Deionized water, NCCLS Type 2 Microbial count must not exceed 100 CFU/mL
Installation site	Up to an altitude of 2000 meters

Electrical installation requirements

Voltage	100–240 V
Power consumption	<140 VA (standby mode) 450 VA (operating mode)
Host interfacing	Download and host-query mode

Computer and printer

Terminal	Apple Mac mini Computer
Printer	Lexmark E260 D or DN or equivalent

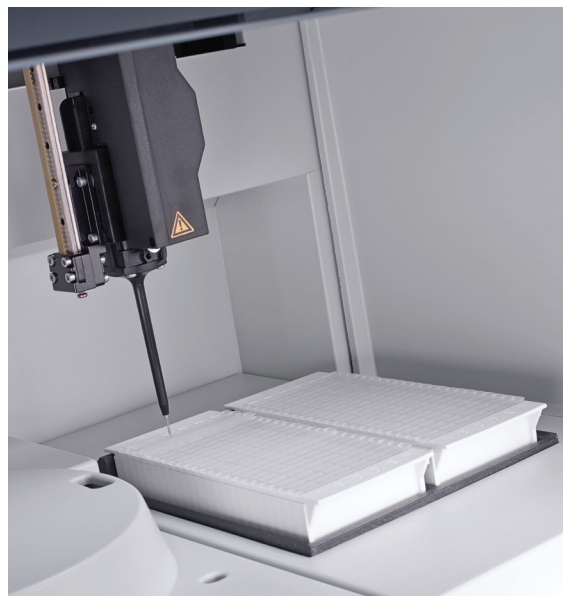
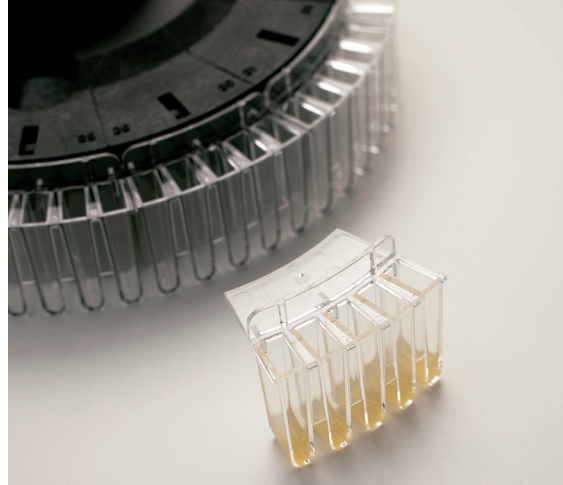
*Depending on model

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