



THE BOLT™

EIA & Chemiluminescence Analyzer

FULLY-AUTOMATED PROCESSING, MODULAR DESIGN – A one-plate ELISA+CLIA processor, the Bolt™ shares many features of the ThunderBolt®, but with a more customizable, lower throughput, cost-effective design. The Bolt™ is a compact machine that provides all of the tools for processing ELISA or CLIA assays in a cost-effective package.

Modular Design with Optional

- Convection Incubator
- Linear Shaker
- EIA or EIA+CLIA Reader*

Related Parts

- Program any EIA or CLIA protocol
- Intuitive User Interface
- Space Saving Design - Fits standard 60 cm lab bench
- 96 Sample Capacity
- High Precision Syringes
- Exterior Status Indicator Light
- LIS Connectivity
- Low Consumable Costs (No disposable tips)

*CLIA protocols require EIA+CLIA reader option



TECHNICAL SPECIFICATIONS

Capacity

Sample & Reagent Capacity	1 rack of 96 samples
MTP Positions	1 position
Pre-dilution MTP Positions	1 position
Wash Buffer	2 x 1L external wash bottle positions
Liquid Waste	1 x 2L external waste bottle position

Worklist Set-up

Sample Loading	Barcode capable, auto-increment, manual entry, or import from Excel
Test Tube Size(s)	Accepts 12, 13, and 16 mm diameter, up to 100 mm tall (custom racks available)
Reagent Loading	9 reagent positions with adapters for most commonly used bottles
Reagent bottle size(s)	22-42 mm diameter bottles accepted (custom bottle adapters available)
Barcode Reader	Accepts most USB hand-held scanners

Liquid Handling

Probe Assembly	Single probe, dual needle
Probe tip	Fixed needle, Washable stainless steel
Liquid level detection	Conductivity
Aspiration Volume Range	1 μ l - 400 μ l with \leq 3% CV
Dispense Volume Range	25 μ l - 300 μ l

Hardware - Modular design for customized configuration

Incubator technology	Forced convection to eliminate "edge effect"
MTP Positions & Temperature	1 position. Room temperature to 40 °C
Spectrophotometer	5 filters: 405, 450, 490, 550 and 630 nm wavelengths standard (custom available), Linear Range 0 to 3.0 OD
Photomultiplier Tube (PMT)	Detection type: glow chemiluminescence, Spectral range: 300-500 nm, Dark count: 50 counts per second (standard), Measuring time: 200 ms (adjustable 1 to 1000 ms), Dynamic range: 6 decades
Orbital MTP Shaker	Amplitude: 1 mm, Speed: Up to 900 RPM, 2 MTP (1 reaction, 1 predilution)

Software

Language	Multi-language support
User Interface	MS Windows 10 Graphical User Interface
Instrument Manager	Independent well tracking and timing. Results review. In-process controls & maintenance prompts
Data Server	Database of results, maintenance logs, lot/expiry information, etc., connects multiple instruments and consolidates data, LIS integration: Bi-directional, RS232, USB, TCP/IP
Test Designer	Fully open and configurable test protocols

General Information

Ordering No.	00500 (ELISA); 00500-CL (ELISA+CLIA)
Power Specifications	Voltage: 100-265V. Frequency: 50-60Hz. Consumption: 12W w/o incubator, 120W max
Dimensions, Weight	W: 48.3 cm, D: 53.3 cm, H: 55.8 cm (W: 19 in, D: 21 in, H: 22 in), Weight: 27 kg (60 lbs)
CE Marked	Yes



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