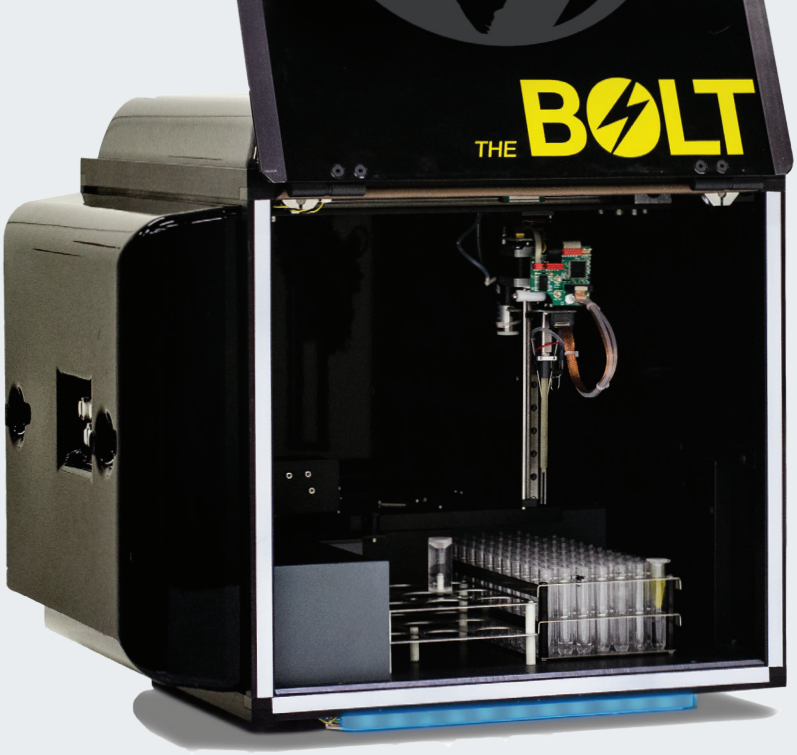


GOLD STANDARD DIAGNOSTICS

THE BOLT®

ELISA & Chemiluminescence Analyzer

A fully automated, 1-plate open platform designed to run ELISA and chemiluminescence (CLIA) assays. The walk-away system features a modular design that can be configured to meet your laboratory's specific needs in a cost-effective way.

Main Features:

- Program any ELISA or CLIA protocol
- Shaker, incubator, and reader are configurable options
- High sample loading capacity: 96 primary sample tubes
- Capable of running many different protocols in a single batch
- LIS Connectivity
- Minimal consumables
- Compact size

Validated protocols for:

SENSI*Spec* Allergen ELISA Kits

- 19 Allergens

Environment & Water ELISA Kits

- 2 Pesticides
- 7 Algal Toxins

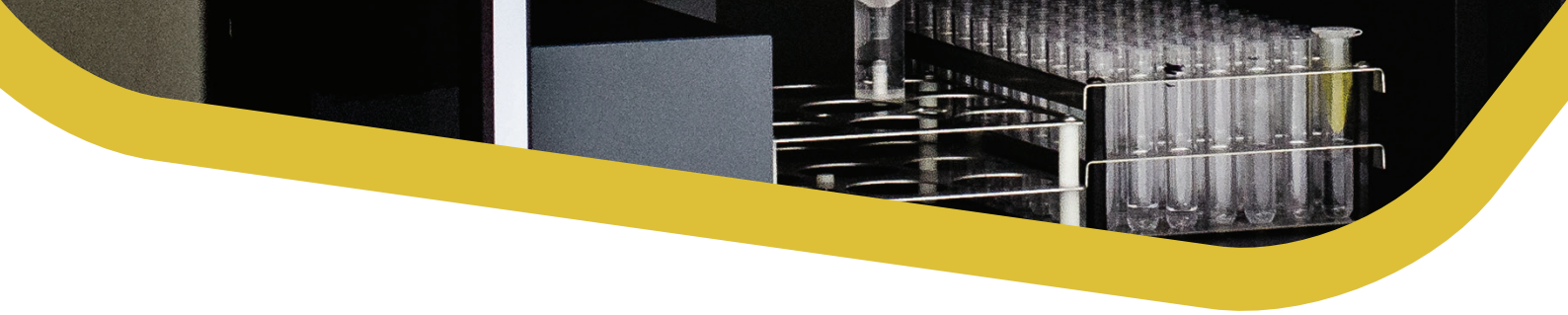
Mycotoxin ELISA Kits

- 16 Mycotoxins

Veterinary Drug Residues ELISA Kits

- 5 Antibiotics

For the latest list of validated applications, please visit our website:



THE BOLT®

ELISA & Chemiluminescence Analyzer

Capacity	
Sample	1 rack of 96 samples
Reagent Capacity	1 rack of 9 reagents
MTP Positions	1 position
Pre-dilution MTP Positions	1 position
Wash Buffer	2 x 1 L external wash bottle positions
Liquid Waste	1 x 2 L external waste bottle position

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

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

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, 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
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

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

GOLD STANDARD DIAGNOSTICS

Gold Standard Diagnostics
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www.goldstandarddiagnostics.com