

8

Reasons to Automate on ABRAXIS® CAAS Cube



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1 Answers in hours, not days



- Quantitative results in 2-4 hrs
- On-site testing eliminates sample transport time to outside lab
- Provides greater control over sample turnaround times
- Allows informed decisions for faster response and precautionary actions

2 Increased testing capacity



- Pre-load and run automated analyses (up to 3 assays*) during normal lab downtime
- Pipetting, reagent additions, timing, rinsing, plate reading and calculations are done without operator intervention
- Hands free, unattended analysis of up to 40 samples per batch

**Based on desired kits and sample batch sizes*

3 Employee satisfaction



- Reduce tedious, repetitive motions
- Free lab personnel to focus on higher skill tasks
- Reduce operator associated testing and calculation errors
- No watching timers to ensure appropriate timing of next assay step

4 Expanded lab capabilities

- Microcystins
- Anatoxin-a
- Cylindrospermopsin
- Saxitoxin (PSP)
- Brevetoxin (NSP)
- Domoic acid (ASP)
- Okadaic acid (DSP)
- Atrazine
- Glyphosate
- Caffeine - NEW!

- Easily add new ELISA test capabilities
- Pre-programmed to run many of our ELISA assays (see left)
- No specialized personnel required
- Equipment purchase includes on-site training of up to 3 operators
- Open software permits custom assay development*

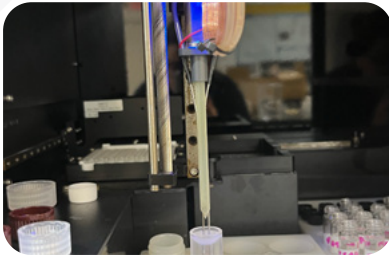
**Fees may apply. Contact us for details*

5 Reduced costs



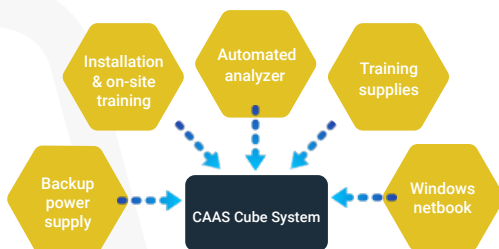
- Cost per test as low as \$15-20 per sample
- Ideal for projects related to wide area environmental surveillance
- Lower cost per sample vs sending samples out to a third-party lab and no shipping costs

6 Improved consistency



- Single probe wash head provides well to well consistency
- Automation reduces inconsistency associated with operator-to-operator variability
- Comparable to methods used by external contract analytical laboratories

7 Convenient turn-key system



- Includes everything needed to get started, even training and up to 3 ELISA test kits
- Plugs into standard electrical outlets
- Does not require plumbed drainage or compressed gases
- Compact footprint - ~2 x 2 feet
- Easy maintenance and first year warranty

8 Trusted, proven platform



- Made in the USA
- Based on trusted GSD Davis BOLT® platform used in clinical applications world-wide
- Service and support available via field-based GSD Davis team
- Units installed throughout the US & Canada:
 - ✓ Federal, state and local government labs
 - ✓ Academic institutions
 - ✓ Commercial labs

CAAS Cube Fully-Automated ELISA System

Ordering Information

CAAS Cube System Package includes:

- CAAS Cube analyzer
- Installation and on-site ELISA training (up to 3 operators)
- Training supplies
- Battery backup
- 1 year CAAS Cube warranty
- Netbook with MS Windows to serve as user interface

Related Products, Services and Upgrades

- ELISA plate kits
- Standards and quality control materials
- Sample collection materials
- Sample preparation reagents and accessories
- Refresher and new operator training
- CLIA reader addition (ELISA only is standard configuration) - detection type: glow, spectral range 300-500 nm, dark count

Product Specifications

Dimensions (L x W x H)	48 cm x 53 cm x 56 cm (19 in x 21 in x 22 in)
Weight (without test strip cartridge)	27 kg (60 lb)
Dispensing volume range	1 µL to 300 µL
Maximum test positions	48*
Reagent positions	24 (bottle diameter 12-35 mm) + 3 external wash bottle positions
Calculation mode	Point to point, linear regression, cubic spline, 4PL, 5 PL, Lin-Lin, Lin-Log, Log-Log
Absorbance	405, 450, 490, 550 and 630 nm (custom wavelengths also available)
Number of wash heads/probes	1 probe, dual needle
Assay vessel compatibility	Standard 96 well assay plates and strips
Incubation temperature control	Ambient to 40 °C
Electrical specifications	100 – 265 VAC, 50/60 Hz; 120 WATT max power
Compliance	CE Mark
Networking and data output	Bi-directional, RS232, USB, TCP/IP, LIS/LIMS compatible
Linear shaker speed	Up to 900 RPM

*Rack accommodates 15 mm diameter standard & sample vials up to 93 mm tall



Contact Us



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