



Products for Marine Biotoxin Testing

- Marine biotoxin test kits
- Turn-key ELISA system packages
- Marine biotoxin standards & QC materials
- Algal toxin proficiency testing programs



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Products for Marine Biotoxin Testing

Marine biotoxin test kits



ELISA plate kits

- Permit quantitative determination of marine biotoxin concentrations in water and shellfish
- Results in ~2-4 hours
- Require only basic lab (pipetting) skills
- Equipment costs ~10-fold less than traditional instrumental methods
- Cost/sample as low as \$15-20 (depending on sample batch size)



PP2A kits

- Permit quantitative determination of okadaic acid (OA) and other OA group toxins
- Results in ~1 hour
- Toxin concentration determined based on phosphatase inhibition
- Direct measure of toxicity based on a colorimetric assay
- Cost/sample as low as \$20 (depending on sample batch size)

ELISA Kit	Test range	Matrix	Part#
Brevetoxin (NSP)	0.031 - 3.125 ppb* 11.25 - 112.5 ppb*	Seawater/brackish Shellfish	520034
Domoic acid (ASP)	0.5 - 10.0 ppb* 100.0 - 2,000.0 ppb*	Seawater/brackish Shellfish	ON0021
Okadaic acid (DSP)	0.1 - 5.0 ppb* 100.0 - 5,000.0 ppb*	Seawater/brackish Shellfish	520021
Saxitoxin (PSP)	0.022 - 0.44 ppb* 0.02 - 0.4 ppb* 40.0 - 800.0 ppb* 20.0 - 400.0 ppb*	Freshwater Seawater/brackish Shellfish - method 1 Shellfish - method 2	52255B

PP2A Kit	Test range	Matrix	Part#
Okadaic acid (DSP)	63.0 - 352.0 ppb*	Shellfish	520025

NOTE: ELISA and PP2A kits include materials and reagents for sample analysis. Additional materials may be required for sample prep and collection. Consult test kit user's guide.

Turn-key ELISA system packages

Our ELISA system packages, automated or manual, include everything you need* to implement on-site ELISA testing to get you up and running quickly and successfully.



Manual ELISA System

Part #: 475010S

- 4303 plate reader pre-programmed for ABRAXIS® ELISA kits
- On-site training for up to 3 operators
- 3 ABRAXIS® ELISA test kits (for training)
- Pipettes & tips (repeater, single and multi-channel micro-pipettes)
- Training consumables (plate covers, reagent basins etc.)
- Shipping



Automated ELISA System

Part #: 475006

- CAAS Cube automated analyzer pre-programmed for ABRAXIS® ELISA kits
- Installation and on-site training for up to 3 operators
- 3 ABRAXIS® ELISA test kits (for training)
- Training materials and consumables based on selected kits
- MS Windows netbook
- Backup power supply
- Shipping

*System packages are offered in the US and Canada only through Gold Standard Diagnostics Horsham. Computer and printer must be sourced separately for the manual ELISA system.

Marine biotoxin standards & QC materials

We offer standards and quality control materials for marine biotoxins including:



Certified reference materials

- ISO 17034 CIFGA certified reference materials
- Offer highest assurance in accuracy of analytical data
- Tested via multiple methods to ensure homogeneity and concentration
- Certificate of analysis available



High quality analytical standards

- High purity standards ensure accuracy of analytical data
- Tested/quantified using extinction coefficients (OD values)
- Certificate of analysis available



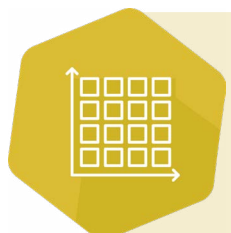
Labeled standards

- High purity, isotopically labeled versions of common toxins
- Tested/quantified using extinction coefficients (OD values)
- Certificate of analysis available



MDL (method detection limit) study solutions

- Permit users to demonstrate ELISA analysis capability
- Available for manual or automated analysis (on our CAAS Cube system)
- Certificate of analysis available



Matrix-specific standards

- Solutions with known concentrations of the analyte in the matrix of interest
- Certificate of analysis available



Part#	Description	Qty	Conc.
300590	Saxitoxins Standard, Certified	0.5 mL	~20 µg/mL
300642	Saxitoxin Standard, in ethanol	1.0 mL	10 µg/mL
300956	[15N]7 Saxitoxin Standard, dry	5 µg	Neat/dry
300710	Saxitoxins (PSP), MDL Study Solution	1 mL x 3	0.05 ppb
300710C	Saxitoxins (PSP), MDL Study Solution (CAAS)	10 mL x 1	0.05 ppb
52255SW	Saxitoxins (PSP), Seawater Standards	1 set	0, 0.02, 0.05, 0.1, 0.2, 0.4 ppb

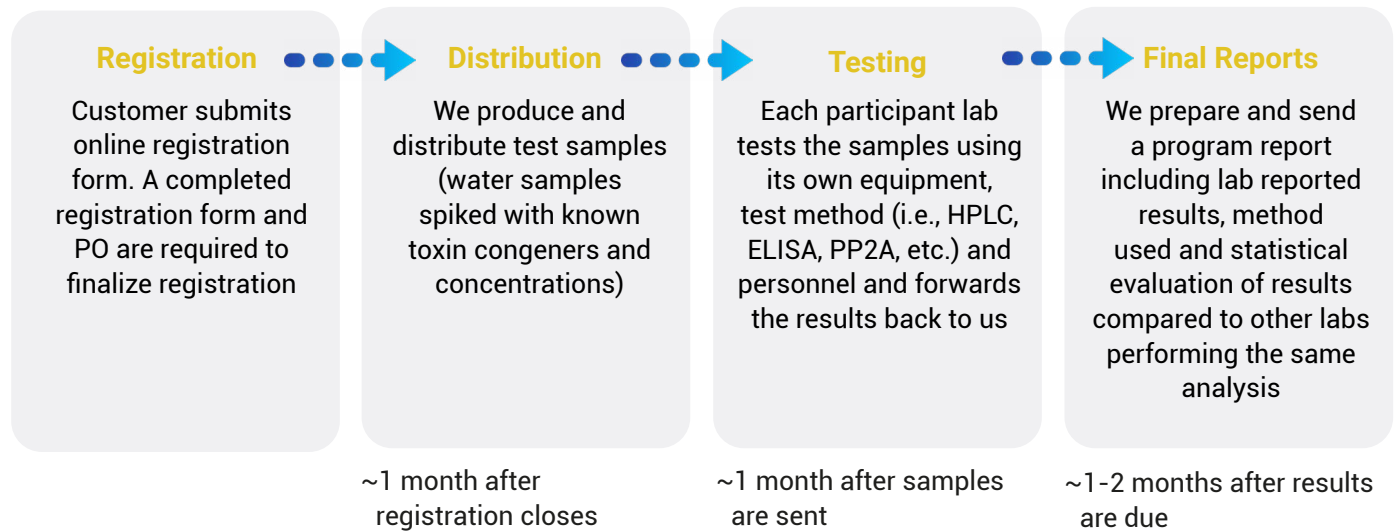
Algal toxin proficiency testing programs

Our proficiency testing programs provide an independent assessment of laboratory performance and demonstrate capability and competency in algal toxin testing.

- Saxitoxin ELISA drinking water program registration is in January
- Saxitoxin ELISA fresh and marine water registration is in May
- Participant labs are assigned a unique code to maintain confidentiality



Proficiency Testing Process Overview



Contact Us