



Products for Marine Biotoxin Testing

- Marine biotoxin test kits
- Readers and turn-key ELISA systems
- Marine biotoxin standards & QC materials
- Algal toxin proficiency testing programs

Products for Marine Biotoxin Testing

Marine biotoxin test kits



Toxin Alert™ test strip kits

- Permit qualitative/semi-quantitative determination of marine biotoxin concentrations in water and shellfish
- Results in ~25 minutes in water or 45-90 minutes in shellfish (including extraction time)
- Require no prior lab experience or equipment (a reader option is available)
- Cost/sample as low as \$34



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
Domoic acid (ASP) ES	0.25 - 15 ppb 10 - 600 ppb (Dilution 1) 500-30,000 ppb (Dilution 2)	Seawater/brackish Shellfish	520525
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
Microcystins DM	3.75 - 125 ppb 0.165 - 5.5 ppb 0.15 - 5 ppb	Shellfish Seawater/brackish Freshwater	522015

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

Toxin Alert™ Test Strip Kit	Test range	Matrix	Part#
Saxitoxin (PSP)	≤0.15 to ≥0.5 ppb	Finished Drinking Water	520054 (5-test) 520055 (20-test)
	≤ 25 ug/100 gm to ≥65 ug/100 gm	Shellfish	520056 (5-test) 520057 (20-test)
Domoic Acid (ASP)	≤0.5 ppb to ≥3ppb	Marine Water	520061 (5-test) 520062 (20-test)
	≤8 mg/Kg to ≥ 15 mg/Kg	Shellfish	520063 (5-test) 520064 (20-test)
Okadaic Acid	≤80 ug/kg to ≥135 ug/Kg	Shellfish	520071 (5-test) 520072 (20-test)

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

Readers

The hand-held AbraScan® Test Strip Reader is compatible with both our freshwater algal toxin test strips and Sensoreal's Toxin Alert™ marine biotoxin test strips.* Rugged and portable, it was designed specifically for field and in-process testing applications requiring semi-quantitative to qualitative test results. The easy-to-use reader eliminates the need for subjective visual comparison of control and test line intensities and maintains a digital photographic record of all test strip results. Sensoreal software features a traffic light system that categorizes marine biotoxin results as Green (low), Amber (medium), or Red (high) to facilitate rapid decision-making.



*Requires purchase of AbraScan® Conversion Kit for Toxin Alert™

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 CRMs, standards and QC materials

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



- Certified reference materials (ISO 17034 CIFGA)
- High quality analytical standards
- Labeled standards
- MDL (method detection limit) study solutions
- Matrix-specific standards



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
301382	[15N]7 Saxitoxin Standard, dry	10 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

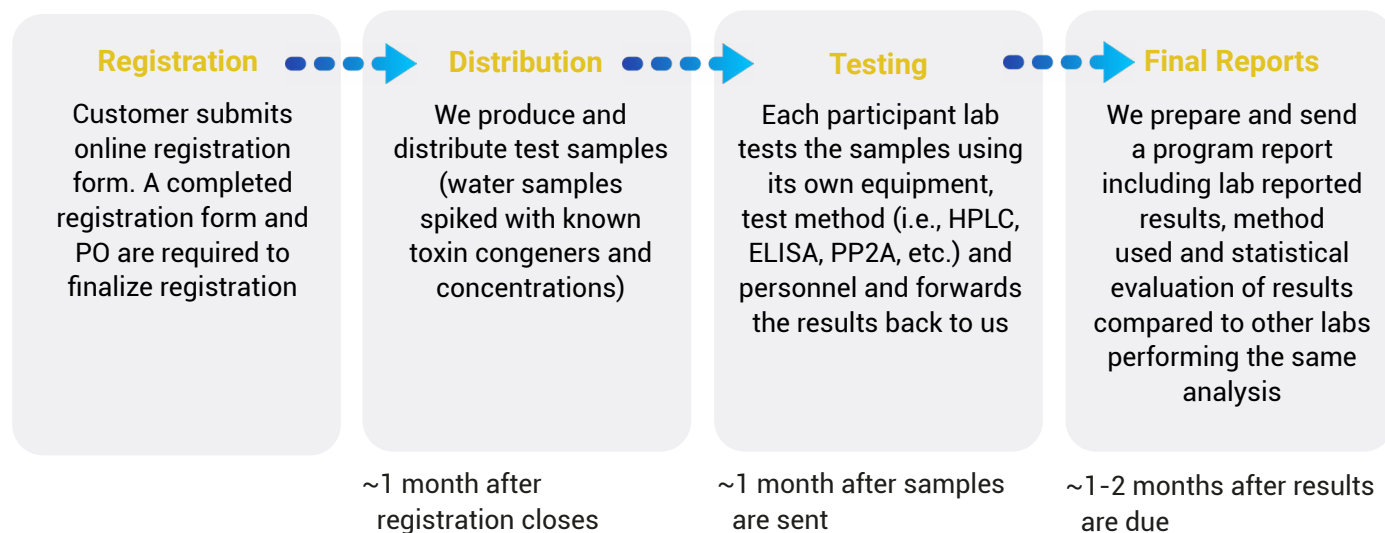
Algal toxin proficiency testing programs

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