



Quantitation of Fresh and Marine Water Toxins Using ABRAXIS® ELISA Plate Kits

For industrial customers, government agencies, utilities, regional testing programs and individual researchers requiring near real time answers and quantitative algal toxin test results to support rapid and informed decision-making, Gold Standard Diagnostics offers ABRAXIS ELISA test kits for fresh and marine water toxins.

Our 96-well plate kits are based on proven, enzyme-linked immunosorbent assay (ELISA) technology that has been used reliably for decades in a variety of industrial applications requiring rapid, reproducible results that support onsite decision-making.

Key Benefits of ELISA Analysis

- Rapid, laboratory-based analysis
- Quantitative results
- Answers in ~3-4 hours, not days
- Simple methodology requires basic lab skills
- Fully automated analyzers available
- Improves turnaround by eliminating delays associated with sample shipment for offsite analysis



Standards & Controls



Sample Collection



Sample Prep



Analysis



Results Interpretation

Quantitation of Fresh and Marine Water Toxins Using ABRAXIS® ELISA Plate Kits

Ordering

Our ABRAXIS algal toxin ELISA plate kits include materials and reagents for sample analysis. See specific test kit user guides and/or technical bulletins for sample collection and extraction materials that may need to be ordered separately for certain sample matrices.

Sample Matrix	Algal Toxin	Test Range (ppb)	Part #
Fresh water	Anabaenopeptins	0.10 – 2.0	520070
	Anatoxin-a	0.165 – 5.5	520060
	BMAA	5.0 – 500.0	520040
	Cylindrospermopsin	0.05 – 2.0	522011
	Microcystins/Nodularins		
	ADDA (EPA Method 546)	0.15 – 5.0	520011
	Ohio Method (ADDA)	0.15 – 5.0	520011OH
	Enhanced Sensitivity (ADDA)	0.05 – 5.0	520011SAES
	DM (Quick) - not ADDA	0.15 – 5.0	522015
	Saxitoxins (PSP)	0.022 – 0.44	52255B
Marine, Coastal & Brackish Waters	Anatoxin-a	0.15 - 5.0 *	520060
	Brevetoxin (NSP)	0.031 - 3.125	520034
	Cylindrospermopsin	0.15 – 6.0 *	522011
	Domoic Acid (ASP) Onsite	0.5 - 10.0	ON0021
	Microcystins/Nodularins		
	ADDA	0.263 – 8.75 *	520011
	ADDA SAES	0.05 - 5.0	520011SAES
	DM (Quick) - not ADDA	0.165 – 5.5 *	522015
	Okadaic Acid (DSP)	0.1 – 5.0	520021
	Saxitoxins (PSP)	0.02 – 0.4	52255B
Shellfish Tissue	Brevetoxin (NSP)	11.25 - 112.5	520034
	Domoic Acid (ASP) Onsite	100.0 - 2,000.0	ON0021
	Microcystins/Nodularins - DM (not ADDA)	3.75 – 125.0	522015
	Okadaic Acid (DSP)		
	ELISA	100.0 – 5,000.0	520021
	PP2A	63.0 – 352.0	520025
	Saxitoxins (PSP)		
	Laboratory – Method 1	40.0 – 800.0	52255B
Laboratory – Method 2	20.0 – 400.0	52255B	
Shipboard (qualitative)	40 ug/ 100 g	52255SB	
Blood serum	Microcystins/Nodularins		
	ADDA	0.075-1.2 ppb	520011
	PP2A	0.075-1.2 ppb	520032
Urine	Microcystins/Nodularins		
	ADDA	0.025-0.4 ppb	520011
	PP2A	0.025-0.4 ppb	520032

*Contact support.abraxis@us.goldstandarddiagnostics.com for details on sample prep method required to achieve this range. Applications for other sample matrices may also be available. Contact us to discuss your specific needs.

We also offer ELISA plate readers and fully automated test systems. Contact us or visit our website to learn more.