

Rapid Detection of Freshwater Algal Toxins Using Test Strips

For communities, regional testing organizations, utilities, individuals and researchers requiring near real time test results for freshwater toxins to aid in time-critical risk assessment, Gold Standard Diagnostics offers ABRAXIS® lateral flow algal toxin test strips and Toxin Alert™ PSP (Saxitoxin) test strips.

Lateral flow test strips are simple to use and provide semi-quantitative or qualitative test results. They are based on the same proven lateral flow immunoassay technology that has been used reliably for decades in a variety of industrial applications.

Key Benefits of Algal Toxin Test Strips

- Rapid screening for on-site decisions and rapid risk assessment
- Semi-quantitative/qualitative results
- Answers in <1 hour
- No lab experience required
- No additional equipment required



Standards & Controls



Sample Collection



Sample Prep



Analysis



Results Interpretation

Rapid Detection of Freshwater Algal Toxins Using Test Strips

Ordering

Our freshwater algal toxin test strip kits include materials and reagents for sample analysis. See test kit user guides and/or technical bulletins for detail on additional materials required for sample collection and/or extraction from specific sample matrices.

Sample Matrix	Algal Toxin	Kit Range	LOD	Part #
Fresh water	Anatoxin-a 5 test	0.4 – 2.5 ppb*	0.4 ppb	520042
	20 test	0.4 – 2.5 ppb*	0.4 ppb	520043
	Cylindrospermopsin 5 test	0.5 – 10.0 ppb*	0.5 ppb	520029
	20 test	0.5 – 10.0 ppb*	0.5 ppb	520030
	Microcystins/Nodularins Recreational Water 5 test	1.0 – 10.0 ppb*	2.5 ppb	520023
	20 test	1.0 – 10.0 ppb*	2.5 ppb	520022
	Raw (Source) Drinking Water 5 test	0.5 – 5.0 ppb*	1.0 ppb	520019
	20 test	0.5 – 5.0 ppb*	1.0 ppb	520020
	Treated Drinking Water 5 test	0.5 – 5.0 ppb*	1.0 ppb	520016
	20 test	0.5 – 5.0 ppb*	1.0 ppb	520017
Marine, Coastal & Brackish Waters	20 test	0.3 – 3.0 ppb*	0.3 ppb	520046
	Saxitoxin (Finished Drinking Water) 5 test	0.15 – 0.5 ppb	0.15 ppb	520054
	20 test	0.15 – 0.5 ppb	0.15 ppb	520055
	Microcystins/Nodularins 5 test	7.5 – 75.0 ppb*	7.5 ppb	520016
	20 test	7.5 – 75.0 ppb*	7.5 ppb	520017

*The upper range of detection can be extended by further sample dilution prior to analysis. Applications for additional sample matrices are also available. Contact support.abraxis@us.goldstandarddiagnostics.com for assistance.

AbraScan® Hand-held Test Strip Reader

Gold Standard Diagnostics offers the hand-held AbraScan® test strip reader. It is compatible with both our freshwater algal toxin test strips and 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.

*Requires purchase of AbraScan® Conversion Kit for Toxin Alert™ (Part #475029)



Gold Standard Diagnostics Horsham
 Phone: (215) 357-3911
 Email: info.abraxis@us.goldstandarddiagnostics.com
www.abraxiskits.com