




# GOLD STANDARD DIAGNOSTICS 475010S Algal Toxin Proficiency Testing Programs User Guide

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## GOLD STANDARD DIAGNOSTICS 475010S Algal Toxin Proficiency Testing Programs User Guide



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### Our Turn-key Manual ELISA System Package

Are you looking to implement an on-site ELISA testing program? We've made it simple. Our manual ELISA system package includes everything you need\* to get you up and running quickly and successfully.

## Part #: 475010S



- 4303 plate reader, pre-programmed for ABRAXIS® ELISA kits
- On-site training for up to 3 operators by our Technical Support staff
- 3 ABRAXIS® ELISA test kits (used for training)
- Pipettes & tips (repeater pipette as well as single and multi-channel micro-pipettes)
- Training consumables (plate covers, reagent basins, empty plate frame etc.)
- Shipping within the continental US & Canada

### Have you considered automation?

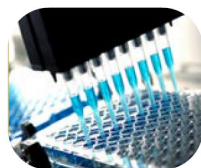
We also offer fully automated ELISA system packages

### Check out our brochure

“8 Reasons to Automate”

System packages are offered in the US & Canada only through GSD Horsham. The computer and printer must be sourced separately

### ELISA plate kits





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

Protocols for additional sample matrices are available.

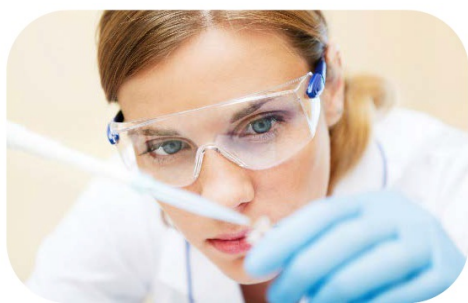
Contact [support.abraxis@us.goldstandarddiagnostics.com](mailto:support.abraxis@us.goldstandarddiagnostics.com)

Product Group	Analyte	Part #
Algal Toxins	Anabaenopeptins	520070
	Anatoxin-a	520060
	BMAA	520040
	Brevetoxin	520034
	Cylindrospermopsin	522011
	Domoic acid (ASP) – Onsite	ON0021

	Microcystins/Nodularin ADDA	520011
	Microcystins/Nodularin ADDA Ohio	520011-OH
	Microcystins/Nodularin ADDA SAES	520011-SAES
	Microcystins/Nodularin DM	522015
	Microcystins/Nodularin PP2A	520032
	Okadaic acid (DSP)	520021
	Okadaic acid (DSP) PP2A	520025
	Saxitoxins (PSP)	52255B
<b>Biomarkers</b>	Caffeine	515575
	Carbamazepine	515585*
<b>Industrial Chemicals</b> 	Dioxins/Furans (TCDD)	530037*
	PCBs Higher Chlorinated	530041*
	Phthalates	530050*
	Triclosan	530114*
<b>Pesticides</b>	2,4-D	54003A*
	Atrazine	520005
	DDE/DDT	540041*
	Diuron	520001*
	Glyphosate (w/ derivatization)	500205
	Imidacloprid/Clothianidin	500800
	Metolachlor	500065*
	Pyrethroids	500204*
	Trifluralin	500601

- Made to order. 5 kit minimum purchase quantity.

## Algal toxin proficiency testing programs



- Annual drinking water round – January registration; runs February/March
- Annual recreational/raw water round – May registration; runs June/July
- Online registration
- Participants receive a unique code to maintain confidentiality unless release is authorized
- Materials for sample prep and analysis are sold separately

**Use:**






- Obtain an independent assessment of laboratory performance
- Assess lab performance against other labs
- Demonstration of lab capabilities and competency

**Proficiency Testing Process Overview**

<b>Registration</b> Customer submits online registration form. A completed registration form and PO are required to finalize registration	<b>Distribution</b> We produce and distribute test samples (water samples spiked with known toxin congeners and concentrations)	<b>Testing &amp; Results</b> Testing & Results Each participant lab tests the samples using its own equipment, test method (i.e., HPLC, ELISA, PP2A, etc.) and personnel and forwards the results back to us	<b>Final Reports</b> We prepare and send a program report including lab reported results, method used and statistical evaluation of results compared to other labs performing the same analysis
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**Algal toxin standards & QC materials**

Standards and/or controls are included with our test kits, but we also offer a variety of algal toxin standards and quality control materials for specific customer needs. For a complete listing, request our Algal Toxin Standards flyer.

<ul style="list-style-type: none"> <li>• 17034 CIFGA certified reference materials</li> <li>• Highest assurance in accuracy of analytical data</li> <li>• Tested via multiple methods to ensure homogeneity and concentration</li> <li>• Certificate of analysis available</li> </ul>	<ul style="list-style-type: none"> <li>• High purity standards ensure accuracy of analytical data</li> <li>• Tested/quantified using extinction coefficients (OD values)</li> <li>• Certificate of analysis available</li> </ul>	<ul style="list-style-type: none"> <li>• High purity, isotopically labeled versions of common toxins</li> <li>• Tested/quantified using extinction coefficients (OD values)</li> <li>• Certificate of analysis available</li> </ul>	<ul style="list-style-type: none"> <li>• Permit users to demonstrate ELISA analysis capability</li> <li>• Available for manual or automated analysis (on our CAAS Cube system)</li> <li>• Certificate of analysis available</li> </ul>	<ul style="list-style-type: none"> <li>• Solutions with known concentrations of the analyte in the matrix of interest</li> <li>• Certificate of analysis available</li> </ul>
<b>Certified reference materials</b> 	<b>High quality analytical standards</b> 	<b>Labeled standards</b> 	<b>MDL (method detection limit) study solutions</b> 	<b>Matrix-specific standards</b> 

#### Contact Us



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#### Documents / Resources



## [GOLD STANDARD DIAGNOSTICS 475010S Algal Toxin Proficiency Testing Programs](#) [pdf]

### User Guide

475010S, 520070, 520060, 520040, 520034, 522011 ON0021, 520011, 520011-OH, 520011-S AES, 522015, 520032, 520021, 520025, 52255B, 475010S Algal Toxin Proficiency Testing Programs, 475010S, Algal Toxin Proficiency Testing Programs, Toxin Proficiency Testing Programs, Proficiency Testing Programs, Testing Programs

## References

- [User Manual](#)

### [Manuals+](#), [Privacy Policy](#)

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