

Algal Toxin Analysis Options

Due to increased demand, additional labs may be adding algal toxin analytical services and this list should not be considered complete. This list represents facilities that the agency has worked with or consulted with recently. Ohio EPA does not endorse or recommend any commercial laboratories or products.

<p>Beagle Bioproducts, Inc. 959 Schrock Road Columbus, OH 43229 Phone: (614) 682-6588 info@beaglebioproducts.com</p>	<p>BSA Environmental Services, Inc. 23400 Mercantile Road, Suite 8 Beachwood, OH 44122 Phone: (216) 765-0582 j.beaver@bsaenv.com</p>	<p>EnviroScience 5070 Stow Road Stow, OH 44224 Phone: (330) 688-0111 ivydra@enviroscienceinc.com</p>
<p>GreenWater Labs/CyanoLab 205 Zeagler Drive, Suite 302 Palatka, FL 32177 Phone: (877) 869-2542 info@greenwaterlab.com</p>	<p>Northeast Ohio Regional Sewer District Mark Citriglia 4747 East 49th Street Cuyahoga Heights, OH 44125 Phone: (216) 641-6000 ext. 2514 citrigliam@neorsd.org</p>	<p>Dr. Ben Southwell, Lake Superior State University School of Physical Sciences, CRW 353 650 West Easterday Avenue Sault Ste. Marie, MI 49783 Phone: (906) 635-2076 bsouthwell@lssu.edu</p>
<p>Dr. Judy Westrick, Wayne State University Lumigen Instrumentation Center, Chem 79 5101 Cass Avenue Detroit, MI 48202 Phone: (313) 577-2579 westrick@chem.wayne.edu</p>	<p>City of Celina Water Department (microcystins only) T. Mike Sudman, Jr., Superintendent 714 South Sugar Street Celina, OH 45822 Phone: (419) 586-2270 cwtpsupt@bright.net</p>	<p>Other Public Water Systems that may be able to assist with microcystin analysis:</p> <p>City of Oregon: Doug Wagner (419) 698-7118 dwagner@ci.oregon.oh.us</p> <p>City of Elyria: Sam Jacob or Eric Coven (440) 244-4310 x 201 swjacob@cityofelyria.org</p>

Algal Toxin Kits

Test kits are available for both semi-quantitative and quantitative analysis of microcystin, saxitoxin, and cylindrospermopsin. Kit types range from simple test strips and tubes that can be used in the field to more rigorous analytical methods for lab-based testing. All kits are based on the Enzyme-Linked Immunosorbent Assay (ELISA) testing method. ELISA microcystin methods should be ADDA-specific. Ohio EPA is only aware of one manufacturer of microcystin-ADDA kit:

Abraxis: www.abraxiskits.com



A kit is also available for the detection of anatoxin-a using a receptor-binding assay. ELISA kits for saxitoxin and cylindrospermopsin are available from several other manufacturers.

Contact

For more information, contact Heather Raymond at heather.raymond@epa.ohio.gov, or (614) 644-2752.