

Laboratory list for HAB-related animal illnesses

The purpose of this list is to provide information about laboratories outside of Utah that are capable of analyzing complex animal matrices for cyanotoxins and/or cyanobacteria. This list is not exhaustive and is not intended to describe any regulatory requirements or make any laboratory endorsements. More information on methods, specimen requirements, and shipping can be found on each laboratory's website. Please contact laboratories before submitting samples to ensure that proper sampling and handling procedures are followed.



Utah Department of
Health & Human
Services

Lab name	Location	Contact Information	Specimen(s)	Cyanotoxin/algae Test	Method	Price/sample (\$)	Turnaround Time	Other info
CA Animal Health and Food Safety Lab	Davis, CA	(530) 752-8700 or submit an inquiry	GI contents, urine, serum	Anatoxin-a	LC-MS/MS/MS	181.50	10-14 days	Saxitoxin and anatoxin-a tests are qualitative. For microscopic algae identification, please call the lab.
			GI contents	Cylindrospermopsin	LC-MS/MS	181.50		
			GI contents	Microcystins screen (LR, YR, RR, and LA)	LC-MS/MS	181.50		
			GI contents, urine, serum	Saxitoxin	LC-MS/MS/MS	181.50		
GreenWater Labs	Palatka, FL	(386) 328-0882 or email: amandafoss@greenwaterlab.com	GI contents, source water	Potentially toxigenic cyanobacteria screen	Microscopy	100.00	< 24 hours	Other toxin analyses are available (guanitoxin, brevetoxins, dermatoxins, domoic acid, BMAA, and okadaic acid), however these are rarely encountered in Utah. Discounts may be available for multiple samples and/or toxin analyses.
			GI contents, urine preferred; bile, blood/plasma/serum, kidney, liver, brain for research purposes	Microcystins/nodularins (MMBP)	LC-MS/MS	225.00	< 48 hours	
				Microcystins/nodularins suite (14+ variants and nodularins)	LC-MS/MS	350.00	1-2 weeks	
			GI contents, urine preferred; bile, blood/plasma/serum, kidney, liver, brain for research purposes	Anatoxin-a suite	LC-MS/MS	250.00	< 48 hours	
			GI contents, urine preferred; bile, blood/plasma/serum, kidney, liver, brain for research purposes	Saxitoxins (PSP toxins)	ELISA	200.00	< 48 hours	
Saxitoxins suite	LC-MS/MS	325.00		1-2 weeks				

			GI contents, urine preferred; bile, blood/plasma/serum, kidney, liver, brain for research purposes	Cylindrospermopsin/ epi-cylindrospermopsin	LC-MS/MS	250.00	< 48 hours	Please reach out to the lab for more information.
Pennsylvania Animal Diagnostic Laboratory System	Kennett Square, PA	(610) 925-6725 or email: Vet-nbccontact@vet.upenn.edu	Liver	Anatoxin, microcystins, nodularin	LC/MS	149.00	7 days	All three included in screening test
Washington Animal Disease Diagnostic Lab	Pullman, WA	(509) 335-9696 or email: waddl@vetmed.wsu.edu	GI contents	Cyanobacteria identification	Toxicological analysis	12.00	4-7 days	