







ABRAXIS® Benthic Mat Extraction Kits

While harmful algal blooms (HABs) refer to accumulations of algae or cyanobacteria suspended in the water column (planktonic), some algae or cyanobacteria can grow attached to the bottom of a water body, forming benthic mats. Under certain conditions, these dense accumulations of algae or cyanobacteria can become dislodged and rise to the water's surface, posing a health risk to humans and animals through ingestion or contact if the mat contains toxin-producing cyanobacterial species.

ABRAXIS® Benthic Mat Extraction Kits are easy to use, field-friendly kits for the collection of benthic mat samples and sample preparation/extraction of algal toxins prior to testing with ABRAXIS® algal toxin test strip kits. Contents include 40 mL glass sample collection vials with caps, disposable sample extraction tubes with pestles, extraction solution (as appropriate), disposable graduated pipettes, transfer pipettes, 20 mL dilution vials and 4 ml final sample extract vials with caps and labels. Each extraction kit provides materials for 20 benthic mat samples as well as simple, step-by-step instructions for sample preparation.

-  **Actionable results** – permits on-site screening for algal toxins in benthic mats
-  **Convenient** – use sample extract from positive field tests for confirmatory ELISA lab testing
-  **Field-friendly** – no lab equipment or utilities required
-  **Easy to use** – simple step-by-step instructions provided



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ABRAXIS® Benthic Mat Extraction Kits contain all materials for the collection and preparation of 20 benthic mat samples prior to testing with ABRAXIS® Algal Toxin Test Strip kits. Extracts from the test strip procedure can then be used for confirmatory testing by ELISA if desired. Compatible test kits are listed below. See test kit User's guides for details.

Part Number	Description	Quantity	Test Strip Kit Compatibility	ELISA Plate Kit Compatibility
529916	ABRAXIS® Benthic Mat Extraction Kit - Microcystins	20 samples	520016, 520017*	520011, 522015
529917	ABRAXIS® Benthic Mat Extraction Kit - Cylindrospermopsin	20 samples	520029, 520030	522011
529918	ABRAXIS® Benthic Mat Extraction Kit - Anatoxin-a	20 samples	520042, 520043	520060

*The Benthic Mat Extraction kit procedure requires use of the Microcystins Finished Drinking Water Test Strips. Do not use Microcystins Recreational or Source Drinking Water Test Strips



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