



ABRAXIS® Microcystin-LR Check Samples

Product No. 422011

Introduction

ELISA methods for Microcystin analysis are employed in many laboratories for the analysis of drinking and recreational waters and other matrices. The use of check samples with each run ensures that the analysis/dilutions have sufficient accuracy, precision, and specificity.

Reagents Provided

Microcystin-LR, lyophilized X 3
Diluent/Zero Standard (LRB), 25 mL

Sample Preparation

For use with the ABRAXIS® Microcystins-ADDA, ABRAXIS® Microcystins-ADDA Streptavidin Amplified Enhanced Sensitivity (SAES), and ABRAXIS® Microcystins-DM Plate Kits, reconstitute each sample with 5.0 mL of the Reconstitution Solution (provided), vortex, and allow to sit for 5-10 minutes.

For use with the ABRAXIS® Microcystins Strip Kits for Finished Drinking Water, Source Drinking Water, and Recreational Water, reconstitute each sample with 5.0 mL of deionized or distilled water, vortex, and allow to sit for 5-10 minutes.

Note: Check samples, which have been reconstituted with the Diluent /Zero Standard (LRB), should not be used with the ABRAXIS® Microcystins Strip Kits, as this will adversely affect results. Use only check samples, which have been reconstituted with deionized or distilled water to obtain accurate results with the ABRAXIS® Microcystins Strip Kits.

Dilute Sample C with Diluent Solution, deionized, or distilled water to meet the desired QA program levels. The results obtained in the ELISA should be multiplied by the appropriate dilution factor to obtain the final concentration.

Sample Storage

Store samples refrigerated at 2-8°C for up to 1 week. For prolonged storage, aliquot and store frozen.

Expected Values

Sample A	non-detect (<0.15 ppb)
Sample B	2.0 +/- 0.5 ppb
Sample C	20 +/- 5 ppb

It is recommended that each laboratory establish individual recovery limits.

General Limited Warranty: Gold Standard Diagnostics warrants the products manufactured by the Company, against defects and workmanship when used in accordance with the applicable instructions for a period not to extend beyond the product's printed expiration date.
Gold Standard Diagnostics makes no other warranty, expressed or implied.
There is no warranty of merchantability or fitness for a particular purpose.

For ordering or technical assistance contact:

Gold Standard Diagnostics
795 Horsham Road
Horsham, PA 19044
WEB: www.abraxiskits.com

Tel: (215) 357-3911
Ordering: info.abraxis@us.goldstandarddiagnostics.com
Technical Support: support.abraxis@us.goldstandarddiagnostics.com

Date these instructions are effective : 03/18/2025

Version: 01



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