ABRAXIS® Microcystin-LR Check Sample C (20 ppb)
Example Dilution Scheme

1. Intended Use
Suggested dilutions for the Microcystin-LR Check Sample C (20 ppb) provided with the ABRAXIS® Microcystin- LR Check Sample Set (PN 422011)

2. Materials and Reagents Required
Deionized or distilled water
20 mL glass vials with Teflon-lined caps
Micropipettes with disposable plastic tips
Serological pipettes
Vortex mixer

3. Notes and Precautions
This procedure is intended as an example dilution scheme for the ABRAXIS® Microcystin-LR Check Sample C (20 ppb). The volumes given can be prepared in 20 mL glass vials with Teflon-lined caps. Volumes can be adjusted to conform to other vial/bottle sizes.

- Follow the reconstitution instructions provided with the ABRAXIS® Microcystin-LR Check Sample Set prior to performing any dilutions.
-

Note: If the Check Samples are to be used with ABRAXIS® Microcystins Strip Kits (Finished Drinking Water, Source Drinking Water, or Recreational), reconstitute the Check Samples and perform all dilutions withdeionized or distilled water to obtain accurate results. Do not reconstitute or dilute with the provided Diluent/Zero Standard (LRB) as this will adversely affect results.

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

4. Dilution Procedure
Cap and vortex or shake after each dilution.

Final Concentration	Volume of Deionized or Distilled Water	Volume of Check Sample C (20 ppb) or Diluted Sample	Dilution (Final Dilution Factor)
4 ppb	8 mL	2 mL of **20 ppb**	1:5 (DF=5)
2 ppb	5 mL	5 mL of **4 ppb**	1:1 (DF=10)
1 ppb	5 mL	5 mL of **2 ppb**	1:1 (DF=20)
0.3 ppb	4.44 mL	360 µL of **4 ppb**	1:13.33 (DF=66.67)

5. For ordering or technical assistance contact:
Gold Standard Diagnostics
124 Railroad Drive
Warminster, PA 18974
WEB: www.abraxiskits.com
Phone: (215) 357 3911
Fax: (215) 357 5232
Ordering: info.abraxis@us.goldstandarddiagnostics.com
Technical Support: support.abraxis@us.goldstandarddiagnostics.com

Date this Technical Bulletin is effective: 09NOV2021
Version: 01