



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 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 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 with deionized 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 2-8°C for up to 1 week. For prolonged storage, aliquot and store frozen.

4. Dilution Procedure

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)

Cap and vortex or shake after each dilution.

5. Assistance

For ordering or technical assistance contact:

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