

## Cyanotoxins in Raw Water Sample Collection Quick Reference Guide

Analyte	Collection/Storage Container	Preservation (at time of sampling)
Anabaenopeptins	Clear or amber glass Polyethylene terephthalate glycol (PETG)	None
Anatoxin-a	Amber glass <i>Avoid exposure to light, as this will degrade the toxin.</i>	Immediately upon collection, freshwater samples should be preserved with 10X Concentrated Sample Diluent to prevent adsorptive loss of toxin.  <i>Preservation is necessary for freshwater samples only. Saltwater samples do not require additional reagents for preservation.</i>  <i>Avoid exposure to high pH conditions, as this will degrade the toxin. Adjust pH to between pH 5 and pH 7.</i>
BMAA	Clear glass Polyethylene terephthalate glycol (PETG) High density polyethylene (HDPE) Polycarbonate (PC) Polypropylene (PP) Polystyrene (PS) <i>Avoid amber glass, as toxin will be lost due to adsorption to container surface.</i>	Freeze <i>Samples should be analyzed immediately or frozen to avoid degradation of toxin.</i>
Cylindrospermopsin	Clear or amber glass Polyethylene terephthalate glycol (PETG) High density polyethylene (HDPE) Polycarbonate (PC) Polypropylene (PP) Polystyrene (PS)	None
Microcystins	Clear or amber glass Polyethylene terephthalate glycol (PETG) <i>Avoid all plastic containers other than PETG, as toxin will be lost due to adsorption to container surface.</i>	None
Saxitoxin	Clear or amber glass Polyethylene terephthalate glycol (PETG) High density polyethylene (HDPE) Polycarbonate (PC) Polypropylene (PP) Polystyrene (PS)	Immediately upon collection, freshwater samples should be preserved with 10X Concentrated Sample Diluent to prevent adsorptive loss of toxin.  <i>Preservation is necessary for freshwater samples only. Saltwater samples do not require additional reagents for preservation.</i>

Unless otherwise indicated, samples can be stored refrigerated for up to 5 days. If samples must be held for greater than 5 days, samples should be stored frozen. If samples are to be shipped, they should be shipped overnight, on ice.

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