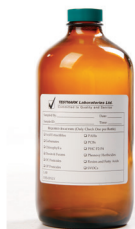


SAMPLE CONTAINER GUIDE



WATER



1L amber glass (Teflon®-lined lid) (preservatives vary)

- Acid Extractable
- Carbamate Pesticides
- Chlorophenols
- Chlorophyll a

- Dioxins and Furans
- Microcystin
- OCP
- Oil and Grease
- OPP
- PAH
- Paraquat/diquat

- PCB
- PHC (F2-F4)
- Phenolics
- Phenoxyacid Herbicides
- Resin and Fatty Acids
- SVOC
- Toxicity Testing – Daphnia magna



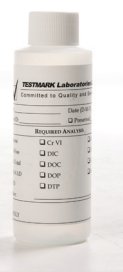
500mL PET

- Acidity
- Alkalinity
- Anions
- BOD
- CBOD

- Colour
- Conductivity
- Dissolved Oxygen
- Iron Reducing Bacteria
- NTA
- pH

- Sulphur Reducing Bacteria
- TDS
- TSS
- Turbidity
- VSS

UNPRESERVED

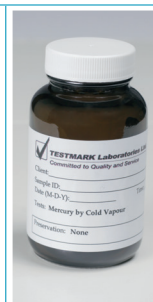


125mL HDPE (acid-rinsed for metals analysis)

- Ammonia/Ammonium
- COD
- CrVI
- Cyanate
- Cyanide (Free, Total, WAD)

- DIC
- DOC
- Hardness
- Metals (Total, Dissolved, Regular)
- Orthophosphorus
- Sulphide
- Tannins and Lignins
- Thiocyanate

- TIC
- TKN
- TOC
- TP



120mL amber glass (acid-rinsed for metals analysis)

- Mercury by Cold Vapour

PRESERVED



Metals Hardness Thiocyanate
(preserved with HNO₃)



Nutrients
(preserved with H₂SO₄)



Cyanide
(preserved with NaOH)



Sulphide
(preserved with NaOH + Zn Acetate)



TOC
(preserved with H₃PO₄)



CrVI
(preserved with Ammonia Sulphate Buffer*)



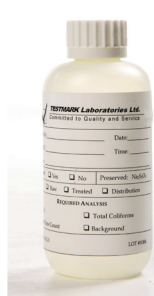
Mercury CV
(preserved with K₂Cr₂O₇ + HNO₃)



40mL amber vials (preservatives vary)

- 1-4 Dioxane
- BTEX
- Glycols
- Glyphosate
- UV Transmittance/Absorbance





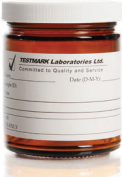


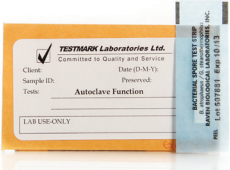
- HAA
- Morpholine
- PHC (F1)
- THM
- VOC



250mL sterile HDPE (preserved with Na₂S₂O₃)

- Background Population
- Escherichia Coli
- Fecal Coliform
- HPC
- Total Coliform



WATER		IL HDPE <ul style="list-style-type: none"> • Lead (O. Reg. 243) • Ra226 		250mL amber glass (Teflon®-lined lid) (preserved with NH₄Cl + CuSO₄ • 5H₂O) <ul style="list-style-type: none"> • Formaldehyde
		60mL glass (Teflon®-lined lid) (preserved with H₂SO₄) <ul style="list-style-type: none"> • Phenols 		Toxicity Testing <ul style="list-style-type: none"> • LC50 Rainbow Trout • 100% Single Concentration Rainbow Trout (see 1L amber for Daphnia magna)
SOIL		250mL amber glass (Teflon®-lined lid) <ul style="list-style-type: none"> • Chlorophenols • Cr VI • Cyanide • Dioxins and Furans 	<ul style="list-style-type: none"> • FOC • HWE Boron • Inorganics (general) • Mercury by Cold Vapour • Metals • OCP 	<ul style="list-style-type: none"> • PAH • PCB • PHC (F2-F4) • SAR • SVOC • TCLP analysis
		Volatile Soil Sampling Kit (preserved with methanol) <ul style="list-style-type: none"> • 1-4 Dioxane • BTEX • PHC (F1) 	<ul style="list-style-type: none"> • THM • VOC 	
OTHER		Dustfall Kit <ul style="list-style-type: none"> • MOE Dustfall Method 3043 		Spore Strip Kit <ul style="list-style-type: none"> • Autoclave function testing

*No preservation for regulated drinking water samples.

The type of bottle, whether clear glass, amber glass, high density polyethylene (HDPE), acid-washed HDPE or polyethylene terephthalate (PET) is extremely important to the integrity of your sample and is something Testmark has spent considerable time testing and optimizing. We fill your cooler orders by selecting certified industry containers that are compatible with the tests you require. This ensures the nature of the container does not interfere with the parameter you are testing for.

Other Considerations:

Minimum Volume and Sample Hold Times – Please refer to Testmark’s Sample Containers and Storage Guide (both for preserved and unpreserved samples) for test-specific hold-time information. Aim to completely fill all sample containers provided in your cooler order as lack of volume can affect method detection levels. Be aware of tests that require zero-headspace.

Temperature – Samples should be maintained between 2-8°C at all times following collection and while in transit to the lab.

Preservatives – The option to request pre-charged bottles rests with you when you place your cooler order. In general, requesting pre-charged sample bottles (i.e. bottles containing preservatives) is considered best practice as it helps prolong hold times and stabilize the chemistry of the sample for that specific analyte or compound. Regulated drinking water submissions must be pre-charged with the appropriate preservatives.

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