



Chlorinated Supplies

Please read all the instructions before sampling to ensure proper test results.

Before Sampling

- Refer to pages 2 and 3 of these instructions for sample bottles contained in this kit.
- Remove blue refrigerant packs from shipping container and place in freezer. The packs **must be frozen** before returning samples to the laboratory. This is best done the night prior to sample collection.
- Plan to have samples collected just prior to the normal pick-up time of your **overnight** carrier.

Sampling Steps

1. If your sampling point has a faucet with an aerator, the aerator must be removed prior to collection of the samples.
2. Flush the cold water sampling line for 10 minutes immediately prior to sampling.
3. Do not touch inside the cap or around the edge of the bottle.
4. Slow the water stream before collection.
5. Indicate sampling date, time, site and name of sampler on the bottle and on the enclosed Chain of Custody. Information on the Chain of Custody and labels must match and be complete.

- ☐ **Volatile or THM Testing:** (Three 40 mL vials): Collect sample in vial so that it is nearly full (to bottom of the neck of the vial).
 - Vial contains Ascorbic Acid as a dechlorinating agent. Take care not to flush away the preservative. **Do not overflow!**
 - Add entire contents of one small clear vial labeled Hydrochloric Acid (HCl) to each sample vial. **Caution: Avoid skin contact! We advise you to wear safety glasses and gloves. If you get any HCl on you, immediately flush the area thoroughly with water.**
 - Fill vial with sample so that no air remains when capped. After tightening the cap, the vial should be inverted and tapped to check for air bubbles.
 - If bubbles are present, do not empty the vial. Remove cap and slowly add several additional drops of water until all air is eliminated. Take care not to flush away the preservative. Repeat for remaining two vials.



Volatile or THM Testing

Call 1.574.233.4777 or 1.800.332.4345 or visit us at www.ul.com/water
 UL, 110 S. Hill Street, South Bend, IN 46617



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Pesticide, S170, L220, L221, L400 (two amber glass liter bottles) or 528 (three amber glass liter bottles): Collect sample in bottle so that it is nearly full (to bottom of the neck of the container).

- Bottle contains Sodium Sulfite as a dechlorinating agent. Take care not to flush away the preservative. **Do not overflow!**

- Add entire contents of small clear vial labeled Hydrochloric Acid (HCl) to each sample bottle. **Caution: Avoid skin contact! We advise you to wear safety glasses and gloves. If you get any HCl on you, immediately flush the area thoroughly with water.**

- Fill bottle to the top with sample.

Diquat (500 mL amber plastic bottle): Collect sample in bottle so that it is nearly full (to bottom of the neck of the container).

- Bottle contains Sodium Thiosulfate as a dechlorinating agent. Take care not to flush away the preservative. **Do not overflow!**

- Add entire contents of one small clear vial labeled Sulfuric Acid (H₂SO₄). **Caution: Avoid skin contact! We advise you to wear safety glasses and gloves. If you get any H₂SO₄ on you, immediately flush the area thoroughly with water.**

- Fill the bottle to the top with sample.

Radiological Testing

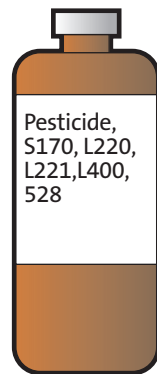
Fill sampling container to the top of bottle.

Microbiology Testing

Fill to the 100 mL line on the bottle.

All Other Testing

Fill all other sampling containers to the top of bottle



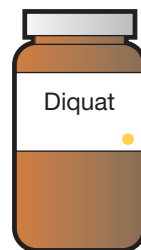
Pesticides ●

S170 ●

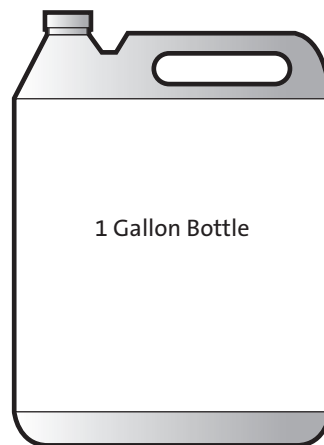
L220 ●

L221 ●

Quantity



Quantity



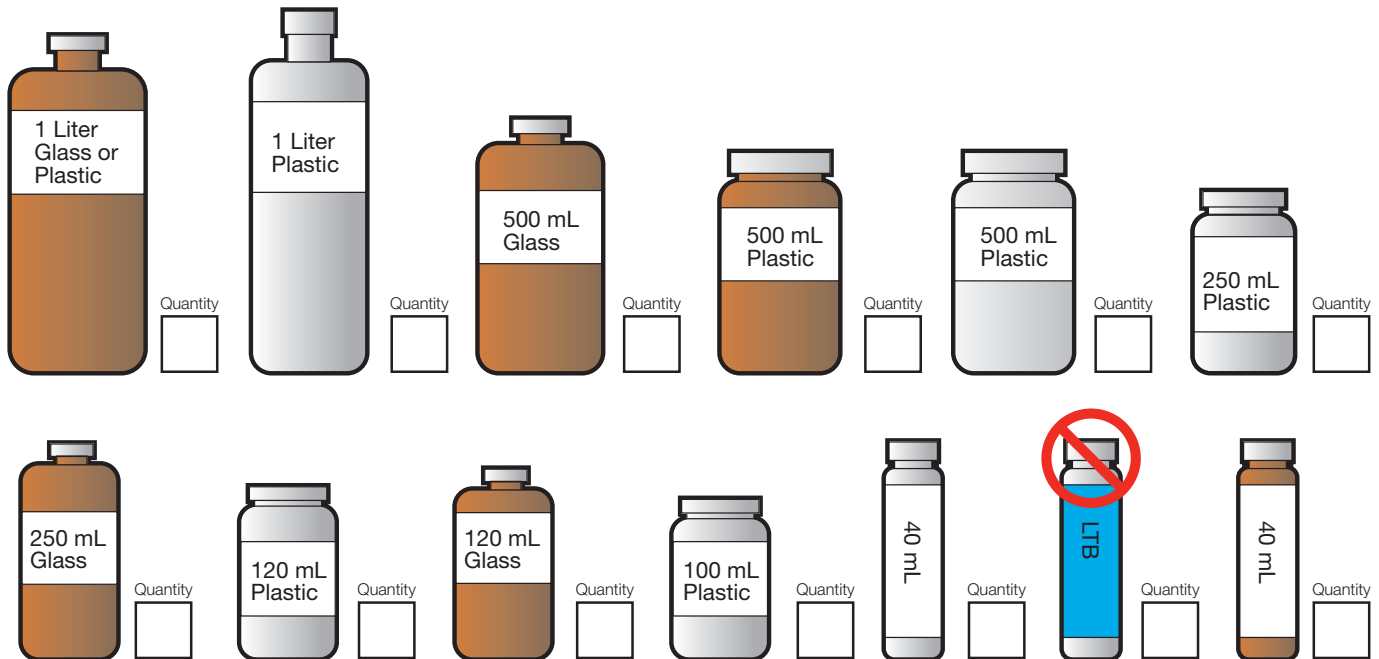
Quantity



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Sampling Containers

Fill all empty sampling containers included in this kit.



- Laboratory Trip Blank (LTB)** will have **blue labels**. DO NOT OPEN. Vials marked as LTB's should remain in the shipping container and be returned with the collected sample.
- Field Trip Blank (FTB)**, when required, will have **blue labels**. Fill containers with reagent water either supplied by the laboratory or the client.
- Quality Control** samples, when required, will have **red labels** on all containers. Fill all containers from the same site.
- Field Equipment Blanks (FEB)**, when requested, will have white labels on all containers. Fill all containers from the same site.

Shipping Instructions

- Place frozen refrigerant packs, bags of wet ice, samples, and Chain of Custody into shipping container and return to the laboratory **immediately after collection**.
- Sample bottles must be hand delivered or sent by an **overnight** carrier.
- **Microbiology Testing:** Must be received by the laboratory within **24 hours** of collection time.
- **Radiological or Metals Testing:** Samples **do not** need to be cold.
- Laboratory **must be notified** prior to shipment of samples for Saturday delivery.

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