

Water Sampling Recommendations and Packing Instructions for SARS-CoV-2 Wastewater Testing

1. Sample Collection

1.1. Sample shipping kit contents

Sample Shipping Kit Contents

| Kit Component | |
|--|--|
| Insulated liner | 3 Ice packs |
| Cardboard box | Packing tape |
| Sterile 250 mL sampling bottle | Chain of custody form inside a Ziplock bag |
| Paper towels or bubble wrap (not provided) | FedEx return waybills |
| Ziplock bags for bottle | Barcode labels |

1.2. Instructions prior to sample collection

(1) Place ice packs flat in freezer upon receiving the sample shipping kit for at least 5 hrs or until they are completely frozen.

1.3. Sample collection

(2) Sample water following standard QA measures.

(a) Wear appropriate personal protective equipment (PPE) before sample collection.

(b) Wash hands and put on clean disposable gloves.

(c) Keep bottle closed until just prior to sample collection.

(d) Be careful not to touch inside of bottle or cap during sample collection.

(e) Wipe the outside of the bottle with 70% ethanol or 10% household bleach after sample collection for decontamination.

(f) Change gloves between samples.

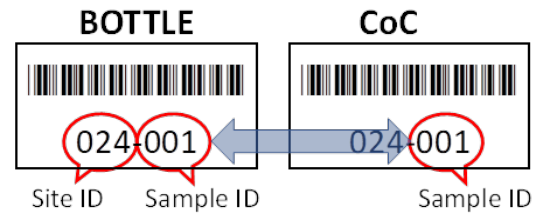
(3) Collect 250 mL of water per sample unless specified otherwise.

(4) Label each bottle with the barcode sticker (provided in your sampling kit). This is your Sample ID. Place the matching sticker on the Chain of Custody form.

Note: It is critical that your samples are labelled in order from 001 to 024 during the project.

(5) Wrap the bottle with abundant paper towels and place each in an individual zip bag.

(6) Highly Recommended: Pre-chill the samples prior to shipment if the sample is collected at a high temperature. Samples can be pre-chilled in ice or a fridge ($\approx 4^{\circ}\text{C}/39^{\circ}\text{F}$) for 1-2 hours. **DO NOT FREEZE.**



1.4. Sample packaging

(7) Fill out the Chain of Custody Record form, place in zip lock bag and include in package.

(8) Place pre-chilled and wrapped sample bottle in insulated liner between frozen ice packs. Place the third ice pack on top.

(9) Properly seal the insulated liner following the steps below.

(a) Peel off the self-sealing strip from the edge of the liner.

(b) Fold down and seal the exposed sticky side.

(c) Push down the two triangle shaped flaps to the middle.

(d) Add additional packing tape if necessary.

Note: A well-sealed insulated liner pouch should have no opening gaps.



(10) Close and tape the cardboard box with packing tape.

2. Shipping

Place a return waybill (shipping label) on the box and ship via FedEx overnight or express courier.

Contact Information

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