Wastewater Sample Collection Bottle

Cat. No. R1503, R1503-8

Instructions For Use (see diagram)

1. **Prepare Sample:** Collect the bulk liquid sample using your preferred method, e.g., autosampler, grab device, or similar.

   Recommended: Store bulk sample at 4°C immediately after collection to prevent sample degradation.

2. **Transfer to Collection Bottle:** Carefully open bottle with prefilled reagent (vivid blue color) and fill with up to 200 mL of the liquid sample.

3. **Mix and Store:** Tighten the cap, invert the bottle 10 times to mix until uniformly blue, then store at ambient temperature for up to 7 days or freeze at ≤ -70°C for long-term storage.

Scan the QR code below to view the online protocol/video.

This product is for research use only and should only be used by trained professionals.
It is not intended for use in diagnostic applications.

Instructions For Use

1 **Prepare sample.**

2 **Transfer to collection bottle.**

3 **Mix and store.**

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Intended Use

The Wastewater Sample Collection Bottle is intended for the collection and transport of liquid samples to be analyzed by nucleic acid-based assays.

The Wastewater Stabilization Buffer, pre-filled in the bottle, preserves sample integrity for up to 7 days at ambient temperatures. The buffer inactivates pathogens and stabilizes DNA/RNA, ensuring safe handling. It also aids in pelleting viruses, microbes, and nucleic acids from large liquid samples, thus simplifying downstream sample purification.

The reagent is compatible with commercially available nucleic acid extraction kits and automated workflows.

Product Description

Wastewater Sample Collection Bottle (250 mL wide mouth HDPE) Prefilled with 20 mL Wastewater Stabilization Buffer.

Storage & Stability

The product should be transported and stored in its original container at 15-35°C until use.

DNA/RNA Extraction

To proceed with DNA/RNA purification:

1. Mix sample thoroughly. The Wastewater Sample Collection Bottle and contents can be directly processed in its entirety. Alternatively, a portion of the sample can be transferred to a conical tube or bottle compatible with floor model centrifuge.
2. Centrifuge at 10,000 *x g* for 20 minutes to pellet the sample.
3. Without disturbing the pellet, slowly decant and discard the supernatant leaving behind ~250 µL of liquid.
4. Purify the nucleic acid pellet directly with *Quick*-DNA/RNA™ Water Kit (Cat. No. R2044).

   Note: Liquid samples pelleted utilizing Wastewater Stabilization Buffer can also be processed with other commercially available DNA and RNA purification kits.