



## WATER SAMPLING BOTTLE

CODE 3-0026

### CAPACITY

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60 mL in collecting bottle (0688-DO) for dissolved oxygen test 450 mL in water sampler for additional tests

### INTRODUCTION

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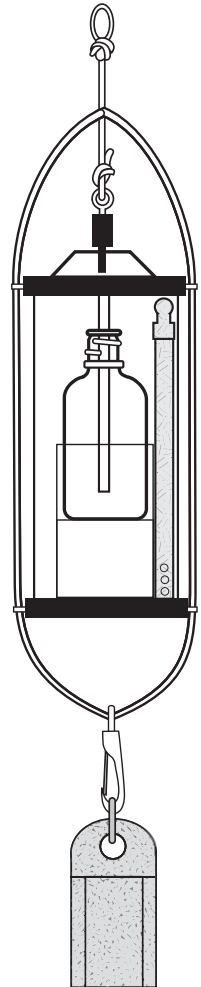
This unique device collects samples representative of specific depths and is particularly suited to the collection of dissolved oxygen samples. Discrete samples may be taken at specific depths by using the attached stopper and an optional calibrated line and two pound weight (1064-G). Simply lower to sampling depth. When trip line is pulled, sample collecting bottle will begin filling, overflowing and flushing more than 5 times. During retrieval, decreasing water pressure prevents the exchange of air and water with sample. Excess water in sample chamber can be used for additional tests. The interior chamber also accommodates LaMotte Model 545 Armored Thermometer (1066) to accurately measure the sample temperature. Gently press the thermometer into the hole in the base of the sampler, and read temperature through the clear sampling bottle body.

### PROCEDURE

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The collecting bottle (0688-DO) included with the Water Sampling Bottle (3-0026), is the same as that provided in LaMotte dissolved oxygen test kits. The Water Sampling Bottle will also accommodate 60 mL, flared lip, glass-stoppered BOD bottles (2-2053).

1. Lift wire lid retainer up and away from sampler to release lid. Remove the plastic lid with inlet tube attached, sliding it up the rope bridle. Insert a collecting bottle (0688-DO), with the cap removed, into the inner chamber of the sampler.
2. Replace the plastic lid, inserting the inlet tube in the collecting bottle. Snap the wire lid retainer into grooves on the lid.
3. Attach a two pound weight to the snap clamp at the bottom of the rope bridle.



4. Attach a calibrated line to the loop at the top of the rope bridle.
5. Press the plastic stopper securely into the center inlet hole. Lower the water sampling bottle to the desired depth.
6. Collect water sample by removing the stopper from the inlet hole with a quick jerk of the calibrated line.  
NOTE: As air is displaced by water entering the sampler, bubbles will be observed rising to the surface (downstream). When the water sampler is filled, bubbles will no longer appear. Filling takes about 45 seconds to one minute.
7. Use a steady, hand-over-hand motion to retrieve the water sampler.  
NOTE: If the thermometer is used with the sampler, read the temperature through the clear sampler body WITHOUT removing the thermometer from the sample. Record temperature.
8. Place the sampler on a flat surface.
9. Release wire lid retainer and remove the plastic lid with inlet tube attached, sliding it up the rope bridle.
10. Remove the collecting bottle (0688-DO) from the inner chamber of the sampler. If a dissolved oxygen test is to be performed on this sample, follow the directions in your dissolved oxygen test kit.
11. The remaining water in the sampler can be used to perform additional tests.

## **LaMOTTE COMPANY**

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