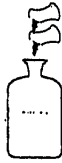


Dissolved Oxygen (Titrator)

1. Collect water sample from back deck using the glass Dissolved Oxygen bottle.



2. Add one Powder Pillow 1 and one Powder Pillow 2 to the bottle.



3. Put glass stopper into bottle and invert bottle 30 times.



5. Take out the stopper and add one Powder Pillow 3 to the bottle.



4. Water will be cloudy with particles. Set bottle on table and let particles settle past the top of the label.

6. Put stopper back in the bottle and invert 30 times.

7. Measure out 25 mL of sample from the BOD bottles (using the graduated cylinder) into each of the 3 Erlenmeyer flasks.



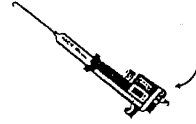
8. Add two dropperfuls of Starch solution to each of flasks. Water should turn blue.



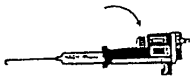
9. Place one of the flasks on the stir plate and turn the knob until the small white stir bars inside each flask begin to turn.



10. Take digital titrator and hold with cartridge tip pointing up and number window toward you. Turn the delivery knob (rotate knob in the direction away from you) until a few drops come out tip.



11. Reset the number counter to read all zeros by turning the zeroing knob (rotate knob in the direction away from you).



12. Insert tip of delivery tube into the flask and titrate by turning delivery knob. Stop titrating (turning knob) when the solution turns clear.



13. Pull tip out of water and record numbers from number windows as "00.00".

Example:
Titrator reads: 0912
Record value as:
9.12

14. Repeat steps 8 through 13 for other two Erlenmeyer flasks.

15. CLEAN-UP:
Pour remaining water from DO bottles and water from flasks into DO LIQUID WASTE CONTAINER.

16. Rinse flasks and bottles in the sink and return bottles and flasks to correct spots.

17. Put stir bars back into each of the flasks.

18. Throw empty Powder Pillows into BOD SOLID WASTE CONTAINER or in the trash.