


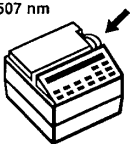





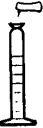
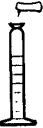
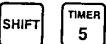
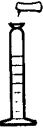

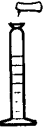





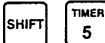













## Nitrate-Nitrogen (Low Range)

### Wear Safety Goggles!

1. On the machine **Press:**

2. On the machine **Press:**

3. On the machine **Press:**

4. Rotate dial on side of machine until display reads: **507 nm**

5. Collect water sample from Top bottle (on back deck) in sample cup.
 
6. Fill the small square bottle **WITH the rubberband** up to the 25mL line with water from the sample cup.
 
7. Set this bottle aside.
 
8. Fill graduated cylinder with 30mL of water from the sample cup.
 
9. Take one **NitraVer6** Powder Packet and tap lightly on the top end.
 
10. Cut off one of the top corners of the packet and pour powder into the graduated cylinder.
 
11. Cover cylinder with stopper.
 
12. On the machine **Press:**

13. Gently shake cylinder until timer beeps (*about 3 minutes*).
 
14. Set cylinder down. **Press:**

15. Wait for timer to beep (*about 2 minutes*) before proceeding.
 
16. Pour water from cylinder into square bottle **WITHOUT the rubberband** upto the 25mL line.
 
17. Take one **NitriVer3** Powder Packet and tap lightly on the top end.
 
18. Cut off one of the top corners of the packet and pour powder into the bottle.
 
19. Put stopper in top of bottle and gently shake to dissolve powder.
 
20. Set this bottle aside.
 
21. On the machine **Press:**

22. Wait for timer to beep (*about 10 minutes*) before proceeding.
 
23. Using lens paper wipe sides of square bottle **WITH rubberband** (that you set aside in *step 7*). Make sure sides of bottle are dry and clean from fingerprints.
 
24. Place bottle **WITH rubberband** in machine with the side that has the numbers facing the left.
 
25. Close lid.
 
26. On the machine **Press:**

27. Wait for display to read:
 

0.00 mg/L NO<sub>3</sub><sup>-</sup> -N LR
28. Remove bottle.
 
29. Using lens paper wipe sides of square bottle **WITHOUT rubberband** (that you set aside in *step 17*). Make sure sides of bottle are dry and clean from fingerprints.
 
30. Place bottle **WITHOUT rubberband** in machine with the side that has numbers facing the left and close lid.
 
31. On the machine **Press:**

32. Wait for display to give value and record value on the data sheet.
 
33. Remove bottle and begin clean-up procedure below.
 

**CLEAN-UP:** Pour water from square bottle **WITHOUT rubberband** and water from cylinder into **CHEMICAL WASTE** container. Rinse these containers twice with squirt bottle and pour water into **CHEMICAL WASTE** container. Throw used Powder Packets into trash. Pour water from square bottle **WITH rubberband** and water from sample cup down the drain.