



Nitrite Test Kit

NI-6 (224000)

DOC326.97.00068

Test preparation

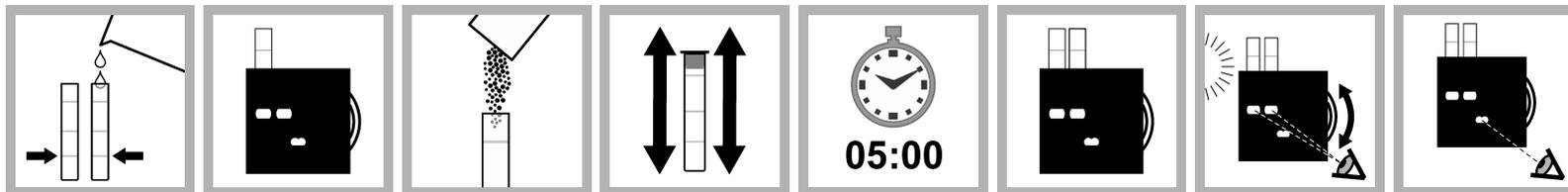
CAUTION: Review the Safety Data Sheets (MSDS/SDS) for the chemicals that are used. Use the recommended personal protective equipment.

- Put the color disc on the center pin in the color comparator box (numbers to the front).
- Use sunlight or a lamp as a light source to find the color match with the color comparator box.
- Rinse the tubes with sample before the test. Rinse the tubes with deionized water after the test.
- If the color match is between two segments, use the value that is in the middle of the two segments.
- If the color disc becomes wet internally, pull apart the flat plastic sides to open the color disc. Remove the thin inner disc. Dry all parts with a soft cloth. Assemble when fully dry.
- Undissolved reagent does not have an effect on test accuracy.
- To record the test result as mg/L NaNO_2 , multiply the test result by 1.5.
- To record the test result as mg/L N, multiply the test result by 0.3.

Replacement items

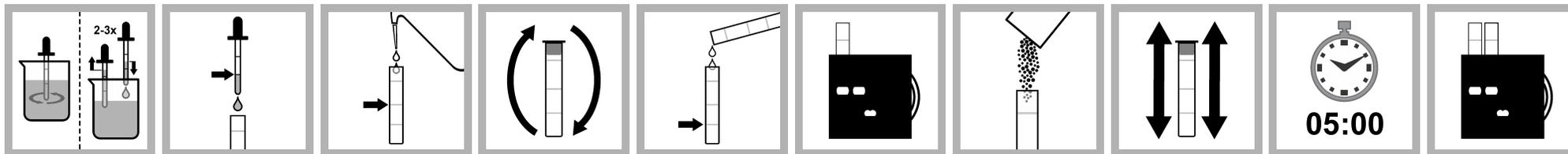
Description	Unit	Item no.
NitriVer 2 Nitrite Reagent Powder Pillows, 5 mL	100/pkg	181369
Color disc, nitrite, 0–80 mg/L, 0–1600 mg/L	each	9262900
Color comparator box	each	173200
Dropper, glass, 0.5- and 1.0-mL marks	5/pkg	1419705
Glass viewing tubes, 18 mm	6/pkg	173006
Stoppers for 18-mm glass tubes and AccuVac Ampuls	6/pkg	173106
Water, deionized	100 mL	27242

Test procedure—Nitrite (0–80 mg/L NO_2^-)

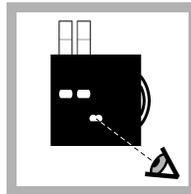
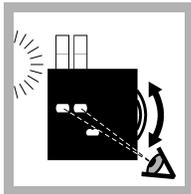


1. Fill two tubes to the first line (5 mL) with sample.
2. Put one tube into the left opening of the color comparator box.
3. Add one NitriVer 2 Reagent Powder Pillow to the second tube.
4. Put the stopper on the second tube. Shake to mix.
5. Wait 5 minutes. A green-brown color develops.
6. Put the second tube into the color comparator box.
7. Hold the color comparator box in front of a light source. Turn the color disc to find the color match.
8. Read the result in mg/L in the scale window.

Test procedure—Nitrite (0–1600 mg/L NO_2^-)



1. Fully rinse the dropper with the sample.
2. Use the dropper to add 0.5-mL of sample to one tube.
3. Fill the tube to the second line (10 mL) with deionized water.
4. Put the stopper on the tube. Invert to mix.
5. Pour 5 mL of the diluted sample into another tube.
6. Put one tube into the left opening of the color comparator box.
7. Add one NitriVer 2 Reagent Powder Pillow to the second tube.
8. Put the stopper on the second tube. Shake to mix.
9. Wait 5 minutes. A green-brown color develops.
10. Put the second tube into the color comparator box.



11. Hold the color comparator box in front of a light source. Turn the color disc to find the color match.

12. Read the value in the scale window.

13. Multiply the value by 20 to get the result in mg/L.

