

NECi's Nitrate Test Kit

This kit contains everything you need to do **one** nitrate test. We also provide a separate **Nitrate Standard** to help you evaluate your results, and so that you know the kit is working.

STORE REFRIGERATED OR IN A COOL PLACE (BELOW 65°F or 17°C)

DO NOT OPEN THE SEALED PACKETS UNTIL YOU'RE READY TO USE THE KIT

Although our kits have been designed with safety in mind, please keep this and all other chemicals out of the reach of children.

Limited Warranty: The Nitrate Elimination Co., Inc. (NECi) warrants at the time of shipping, this product was free from defects in the materials supplied in the Nitrate Test Kit. NECi warrants that the reagents supplied will be effective for use in nitrate testing (when used as described) until the expiration date. Materials used after this date are not warranted to be effective for nitrate testing. NECi will replace defective materials if notified by the expiration date.

NECi: Biotechnology People can Use

For more information about Nitrate and our Nitrate Test Kits, please visit our Website at www.nitrate.com

➤ Evaluating Your Results

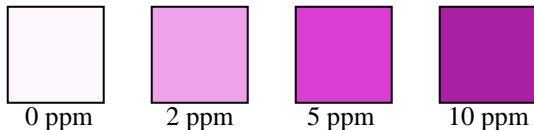
When you've finished with the test, the Nitrate Standard should have a clear pink color. We've set the Nitrate Standard at 5 ppm nitrate-N (see Table below for help with nitrate units), which is half the US EPA safe limit for water of 10 ppm.

Clean water has nitrate levels between zero and 2 ppm nitrate-N. Water above 10 ppm nitrate-N is considered to be unsafe to drink, and harmful to the environment.

GUIDELINES

- **Little visible color:**
Nitrate is between 0 - 2 ppm. Safe, clean water.
- **Color is the same as or less than the Nitrate Standard:**
Nitrate is between 2 - 5 ppm.
Some nitrate contamination, but the water is still safe. You might want to have the water tested professionally.
- **Color is darker than the Nitrate Standard:**
Nitrate is between 5 - 10 ppm.
The water is near the EPA limit for safe, clean water. Have it tested at a certified lab. Do NOT feed to infants.

Use the **Color Chart** to help evaluate your results. We use US EPA Nitrate-N values on the Chart.



Nitrate is measured and reported in different terms (units) depending on where you live. For example, 2 ppm **nitrate-N** in New York would be reported as 9 ppm **Nitrate** in California. This **Table** may help!

US EPA Units	Europe, California	Chemical Units
2 ppm nitrate-N	9 - 10 ppm Nitrate	140 micromolar Nitrate
10 ppm nitrate-N	45 or 50 ppm Nitrate	710 micromolar Nitrate

NECi's Nitrate Test Kit for Home and Farm is safe, fast, and accurate. Measure nitrate in water, fish tanks, juice, septic effluent, lakes and streams.

STEP 1: Empty the contents of the *snip off* squeeze bulb into the screw cap tube with the Colored Dot. This is the Nitrate Standard. Empty the contents of the *twist off* squeeze bulb into the other screw cap tube. This is for your Water.

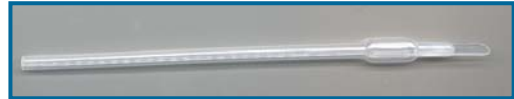


Nitrate Standard



Your Water

STEP 2: Within 5 minutes of Step 1, add one drop of your water to the Water tube (no dot), using the Pipet. Cap both tubes and gently shake to mix. Set them aside for about 20 minutes. Gently shake three times as you wait.



STEP 3: After the 20 minute wait, shake both screw cap tubes again. Remove the foil from the Square tubes. Pour the contents of the Nitrate Standard tube (with Dot) into the Square tube with the Dot. Pour contents of your Water screw cap tube into the other Square tube. Cap both tubes, shake to mix, wait about 10 minutes, then shake again. The Standard should be pink.



Nitrate Standard



Your Water

Step 4: You're ready to determine the nitrate content of your Water! See reverse side for instructions on Evaluation of your results.

NOTE: In all steps, good mixing is important; precise timing is not necessary. The color is stable for 7 days.

◆ **DISPOSAL:** This kit has been designed to use only nontoxic and nonhazardous materials. Tubes & contents can be discarded.

These Kits were developed with funding from the Small Business Innovation Research Program of the US Department of Agriculture.