

Title	Nitrate + Nitrite as N
Test Explanation:	<p>All well owners are encouraged to test their water yearly for nitrates. High levels of nitrates may indicate a failing septic system or contamination from animal herds, fertilizers or landfills. The Nitrate + Nitrite test is a good indicator of overall water quality.</p> <p>Using Federal regulations under the Safe Drinking Water Act (40 CFR 141.23 (a) (4) (i)) as a guideline, the maximum contaminant level (MCL) for Nitrate as Nitrogen is 10.0 mg/L (ppm) and for Nitrite as Nitrogen is 1.0 mg/L (ppm).</p> <p>The health significance of nitrate above these levels applies to pregnant women, and infants below the age of six months. The major health effect associated with these levels is methemoglobinemia, also known as “blue-baby syndrome”.</p>
Specimen Requirements	<p>Samples will be accepted from the public for a fee of \$10.00 per sample plus \$6.50 shipping and handling per order. Samples from State government agencies, State Institutions and County Health Departments will be accepted at no charge.</p> <p>Contact: Bharat Patel Phone: 317-921-5586 Email: Bpatel@isdh.in.gov</p>
Sampling Materials	<p>Nitrate kits can be requested from the Indiana State Department of Health Laboratories Containers Area 317-921-5874. The kit contains: • Instruction form• Analysis request form• One 125mL plastic bottle with a filter paper and a small amount of Sulfuric Acid.</p> <p>Order Form: https://forms.in.gov/Download.aspx?id=7468</p>
Procedural Notes	<p>Do not rinse the sample container or discard the acid preservation disk! The filter disk is saturated with 50% sulfuric acid (see precautions) and is used to preserve the sample for the analysis of total nitrate/nitrite. Flush the sample tap for five (5) minutes prior to collecting the sample. Reduce the flow of the water and fill the sample container to the shoulder of the bottle. Replace and tighten the cap to prevent sample leaking. Do not take the filter paper out. Complete the analysis request form.</p>
Shipping Instructions	<p>Mail or return (within 72 hours) to:</p> <p>Indiana State Department of Health Laboratories Chemistry Laboratories 550 W 16th Street, Suite B Indianapolis, IN 46202-2203</p>
Reporting and TAT	<p>The report will be emailed/faxed or mailed within 30 days after receiving the sample.</p>