Nitrate/Nitrite

1 - 80 mg/L NO_2^-

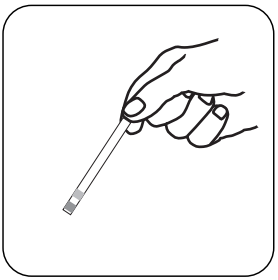
Strips Nitrate/ Nitrite

Application List

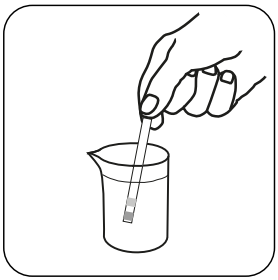
- Cooling Water

Notes

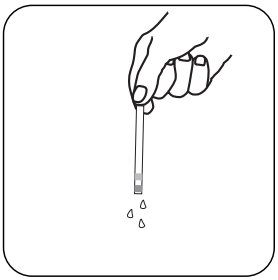
1. When handling test strips, make sure to touch them with your fingers only at the end of the test strip. The pads must not come into contact with the fingers.
2. The test strips must be stored in the closed packaging.
3. Store in cool, dry place and away from direct sunlight (4-30 °C).
4. Interference (nitrate):
   If the nitrite test field turns red-violet, the nitrate detection is disturbed. To eliminate the nitrite interference, add 1 measuring spoon of amidosulphuric acid (REF 918973) to 10 mL of the sample to be tested, shake again and repeat the test after two minutes. In this way 10 mg/L nitrate can still be detected next to 1000 mg/L nitrite.
5. Interferences (nitrite):
   Strongly acidic solutions (pH < 1) must be buffered with sodium acetate, alkaline solutions must be adjusted to about pH 3-5 with citric acid. The following ions interfere only in larger concentrations: > 1000 mg/L Br^-, BrO_3^-, Cl^-, ClO_4^-, F^-, I^-, $Mo_7O_{24}^{6-}$, NO_3^-, OCN^-, PO_4^{3-}, SO_3^{2-}, SO_4^{2-}, SeO_3^{2-}, WO_4^{2-}, acetate, Oxalate, Tartrate, Citrate, Succinate, Ag^+, Al^{3+}, As^{3+}, Ba^{2+}, Be^{2+}, Co^{2+}, Cd^{2+}, Cr^{3+}, Cu^{2+}, Hg^{2+}, K^+, Li^+, Mg^{2+}, Mn^{2+}, Na^+, Ni^{2+}, Pb^{2+}, Sb^{3+}, Tl^+, Zn^{2+}, > 250 mg/L SO^{2-}, SO^{2-}, > 100 mg/L $[Fe(CN)6]^{4-}$, SO^{2-}, SCN^-, Ascorbate.



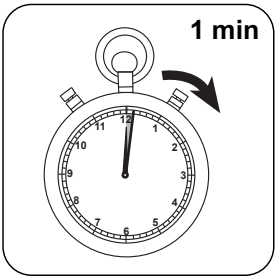
Remove one test strip. Hold the end of the test strip between index finger and thumb.



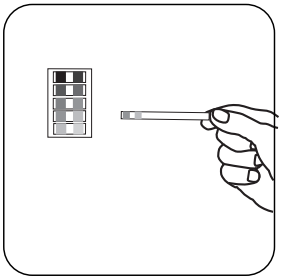
Dip the test strip into the solution to be tested so that all pads are completely immersed. (1 second)



Shake off excess liquid.



Wait for **1 minute(s) reaction time**.



Read the result from the colour scale. (If nitrate ions are present, the outer test paper (at the end of the stick) turns reddish purple. The test field above (towards the end of the handle) shows the nitrite concentration.)