

QUANTOFIX® Arsenic 50

Pack content:

1 aluminum container with 100 test strips 1 reaction vessel
2 bottles As-1 1 syringe 5 mL
2 bottles As-2

Measuring range:

0.05–3.0 mg/L As^{3+/5+}

Color gradation:

0 · 0.05 · 0.1 · 0.5 · 1.0 · 1.7 · 3,0 mg/L As^{3+/5+}

Safety precautions:

Each test field on the test strips contains mercury(II)bromide. Toxic in contact with skin. As-2 contains sulfamic acid 50–100% CAS 5329-14-6. WARNING. Causes skin irritation. Causes serious eye irritation. Harmful to aquatic life with long lasting effects. Avoid release to the environment. Wear protective gloves/eye protection. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. With reduced labelling acc. CLP Annex I chapter 1.5.2.1. For further information, please ask for safety data sheet (see www.mn-net.com/MSDS).

General indications:

Remove only as many test strips as are required. Close the container immediately after removing a strip. Do not touch the test field.

Instructions for use:

1. Use syringe to add 5 mL sample solution into the reaction vessel.
2. Add 1 measuring spoon reagent As-1 and swirl reaction vessel gently.
3. Add 1 measuring spoon reagent As-2.
4. Insert test strip with test field 2 cm into reaction vessel and clamp it with lid (see sketch).
5. During 20 minutes reaction time swirl 3 x gently the reaction vessel. The test field should not get in contact with the sample.
6. After 20 minutes remove test strip from reaction vessel, dip it for 2 s with the test field into water.
7. Shake off excess liquid and compare test field to color scale.

Interferences:

1000 mg/L: Br⁻, BO₃³⁻, Ca²⁺, Cd²⁺, Cl⁻, ClO₄⁻, CN⁻, CO₃²⁻, Cr³⁺, Fe^{2+/3+}, I⁻, K⁺, Mg²⁺, MoO₄²⁻, Na⁺, Pb²⁺, SO₄²⁻, S₂O₈²⁻, Sr²⁺, Zn²⁺, acetate, ascorbate, citrate, EDTA, oxalate, tartrate
500 mg/L: Ba²⁺, BrO₃⁻, CrO₄⁻, F⁻, IO₃⁻, TI⁺.
100 mg/L: Al³⁺, MnO₄⁻, NO₃⁻, NO₂⁻, PO₄³⁻, Sn²⁺; 25 mg/L: Ni²⁺
5 mg/L: Ag⁺, Bi³⁺, Co²⁺, Hg^{+/2+}, SO₃²⁻; 1 mg/L: Sb³⁺, SCN⁻, S₂O₃²⁻, S²⁻

Disposal:

The used analysis specimens can be flushed down the drain with tap water and channeled off to the local sewage treatment works. Dispose of used strips at an authorised hazardous waste collection point.

Storage:

Avoid exposing the strips to sunlight and moisture. Keep container cool and dry (storage temperature not above +30°C). If correctly stored, the test strips may be used until the use-by-date printed on the packaging.

Product data and ordering information

Type	Semi-quantitative test strips
Presentation	Tube of 100 test strips with reagents
Color reaction	white to yellow-brown
Gradation	0 · 0.05 · 0.1 · 0.5 · 1.0 · 1.7 · 3.0 mg/l (ppm) As ^{3+/5+}
REF	91332

