

QUANTOFIX® Zinc

Pack content:

- 1 aluminum container with 100 test strips
- 2 bottles Zn^{2+} -1
- 1 measuring vessel with 5 mL mark

Measuring range:

Visually
2 – 100 mg/L Zn^{2+}

Reflectometrically
5 – 40 mg/L Zn^{2+}

Color gradation:

0 · 2 · 5 · 10 · 25 · 50 · 100 mg/L Zn^{2+}

Safety precautions:

Information regarding safety can be found on the box' label and in the safety data sheet. You can download the SDS from www.mn-net.com/SDS.

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.

Additional indications:

The red coloration of the unused test field is normal and does not indicate any decomposition of the reagents.

Instructions for use:

1. Rinse the measuring vessel with the test solution and fill it to the 5 mL mark.
 2. Add 10 drops Zn^{2+} -1 (soda ly) to the sample. If turbidity or precipitates develop, the solution should be filtered prior to the test.
 3. Shake carefully.
 4. Dip the test strip into the test solution for 1 second.
 5. Shake off excess liquid.
 6. Wait 30 seconds.
 7. Compare with the color scale.
- If zinc ions are present, the test field turns red.

Interferences:

The following ions interfere with the determination in higher concentrations:

> 1000 mg/L Ag^+ , Al^{3+} , Bi^{3+} , Ca^{2+} , Cd^{2+} , Co^{2+} , Fe^{2+} , Fe^{3+} , Mn^{2+} , NH_4^+ , Pb^{2+} , Sn^{2+} , Sn^{4+} , Cl^- , CrO_4^{2-} , NO_2^- , NO_3^- , PO_4^{3-} , SCN^- , SO_3^{2-} , SO_4^{2-} , acetate, ascorbate, citrate, oxalate, tartrate.

The following ions lead to a fading of the colour reaction with corresponding low test results:

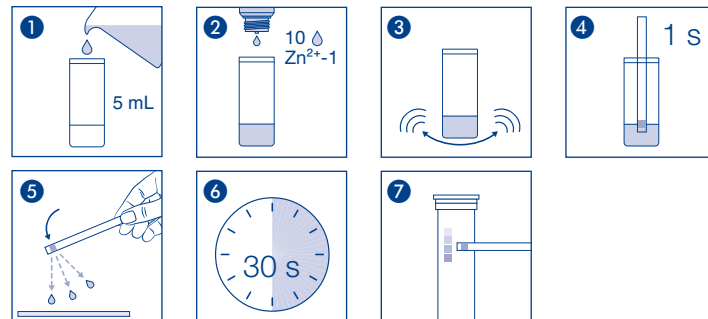
> 500 mg/L Cr^{3+} , > 200 mg/L CN^- , > 100 mg/L Mg^{2+} , > 50 mg/L S^{2-} , > 25 mg/L Ni^{2+} . The presence of Cu^{2+} , > 10 mg/L Hg^{+2} in concentrations above 10 mg/L (precipitation with iron or cadmium powder in weak acid solution) and MnO_4^- in concentrations above 50 mg/L (destruction with hydroxylammonium chloride in acidic solution) turns the test field brown.

Disposal:

Information regarding disposal can be found in the safety data sheet. You can download the SDS from www.mn-net.com/SDS.

Storage:

Avoid exposing the strips to sunlight and moisture. Keep container cool and dry (storage temperature 4 – 30 °C). If correctly stored, the test kit may be used until the use-by-date printed on the packaging.



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