

QUANTOFIX® Calcium

Pack content:

1 aluminum container with 60 test strips

1 bottle Ca^{2+} -1

1 bottle Ca^{2+} -2

1 measuring vessel with 5 mL mark

1 small measuring spoon

Measuring range:

10 – 100 mg/L Ca^{2+}

Color gradation:

0 · 10 · 25 · 50 · 100 mg/L Ca^{2+}

Hazard warnings:

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.

Instructions for use:

1. Rinse the measuring vessel with the test solution and fill it to the 5 mL mark.
2. Dip the test strip into the test solution for 1 second.
3. Shake off excess liquid.
4. Place test strip aside with test field facing upwards.
5. Add 1 measuring spoon Ca^{2+} -1 to the sample.
6. Shake carefully.
7. Add 10 drops Ca^{2+} -2 to the sample.
8. Shake carefully.
9. Pick up the test strip again.
10. Dip the test strip again into the test solution for 45 seconds.
11. Shake off excess liquid.
12. Compare with the color scale.

Interferences:

The following ions interfere with the determination when in higher concentrations:

> 1000 mg/L: Al^{3+} , As^{3+} , NH_4^+ , Sb^{3+} , K^+ , Na^+ , Bi^{3+} , Br^- , Cl^- , CN^- , CrO_4^{2-} , $[\text{Fe}(\text{CN})_6]^{3-}$,

$[\text{Fe}(\text{CN})_6]^{4-}$, I^- , NO_2^- , NO_3^- , PO_4^{3-} , SCN^- , $\text{S}_2\text{O}_5^{2-}$, acetate, ascorbate, citrate, tartrate

> 500 mg/L: Ba^{2+} , Mg^{2+} ; > 250 mg/L: Sr^{2+} ; > 100 mg/L: MnO_4^-

The following heavy metals interfere when the concentrations below are exceeded:

> 100 mg/L: Mn^{2+} , > 50 mg/L: Ni^{2+} , > 25 mg/L: Fe^{2+} , Fe^{3+} , Pb^{2+} , > 10 mg/L: Cr^{3+} , Co^{2+} ,

Cu^{2+} , Hg^{2+} , Zn^{2+}

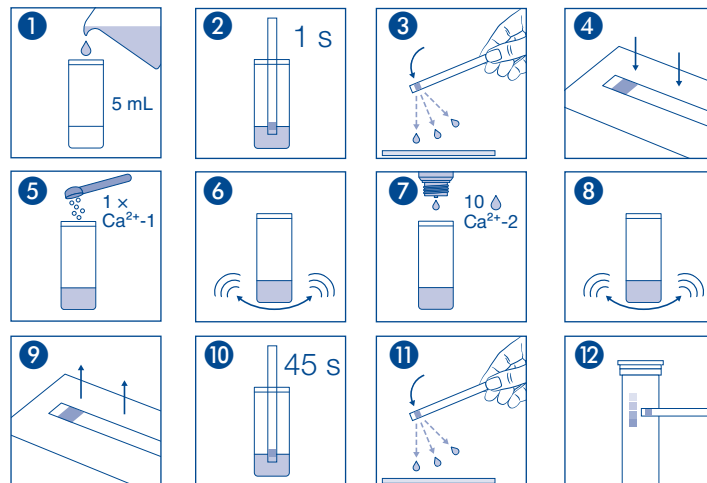
Disposal:

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 strips may be used until the use-by-date printed on the packaging.



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