

# QUANTOFIX® Kobalt

## Pack content:

1 aluminium container with 100 test strips

## Measuring range:

10 – 1000 mg/L  $\text{Co}^{2+}$

## Color gradation:

0 · 10 · 25 · 50 · 100 · 250 · 500 · 1000 mg/L  $\text{Co}^{2+}$

## 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.

## Hazard warnings:

This test does not contain hazardous substances that must be labelled.

## Instructions for use:

1. Dip the test strip into the sample (pH 2–7) for 1 s.
2. Shake off excess liquid.
3. Wait 20 s.
4. Compare test field with the color scale. The test field turns green-blue in presence of cobalt(II) ions.

## Interferences:

If the reaction color does not appear on the color scale, larger quantities of foreign ions interfere.

Reaction color brown (copper (II)): the interference is eliminated by addition of a small amount of crystalline sodium thiosulfate to 5–10 mL of the test solution. Reaction color grey (mercury (I)): the interference is eliminated by addition of a small amount of crystalline sodium chloride to 5–10 mL of the test solution.

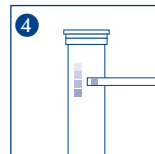
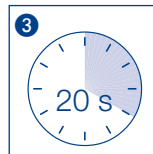
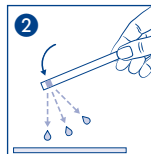
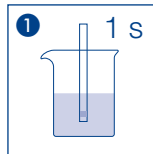
Highly acid solutions (pH < 2) must be buffered to a pH of 2–7 with crystalline sodium acetate. Concentrated cobalt (II) ions must be diluted so that the cobalt (II) content comes within the limits of the color scale. The dilution factor must be taken into account when calculating the cobalt (II) content.

## Disposal:

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