

Palintest

Water Analysis Technologies

CODMn

Photometric test for COD Mn in natural water

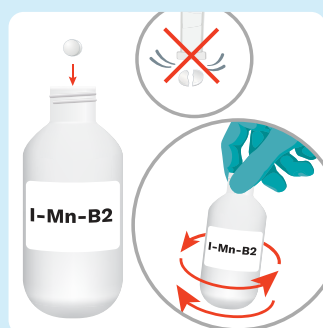
COLOUR CHANGE

Dark Yellow to Clear Yellow.

RANGE:

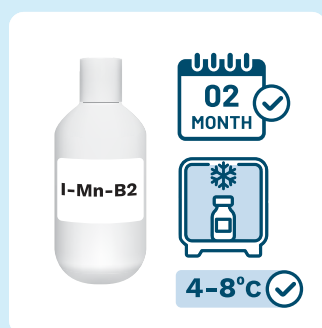
The test range is 0-10 mg/L

01



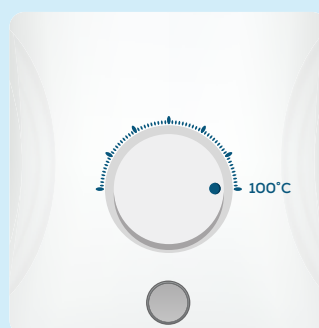
Add one I-Mn-B1 reagent tablet to the solution in the plastic bottle labeled I-Mn-B2. Shake the solution until all particles are dissolved.

02



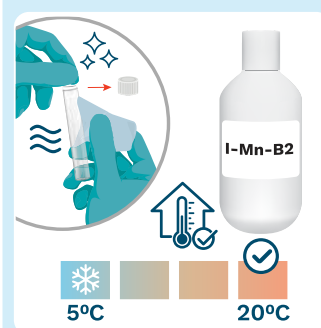
Care point: The I-Mn-B solution is stable for 2 months if stored in a refrigerator at 4-8°C.

03



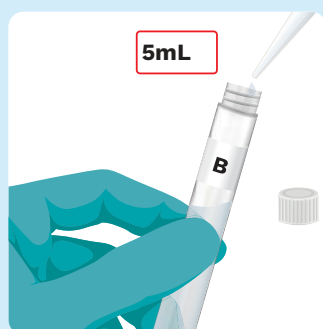
Set water bath to 100°C and allow it to reach temperature

04



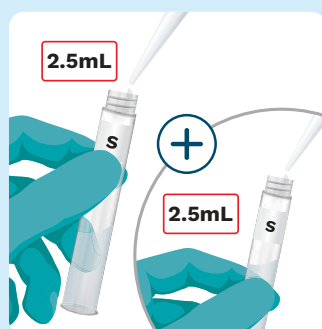
Care point: Make sure that the test tubes and test tube covers have been cleaned and dried, and let the I-Mn-B solution return to room temperature before use

05



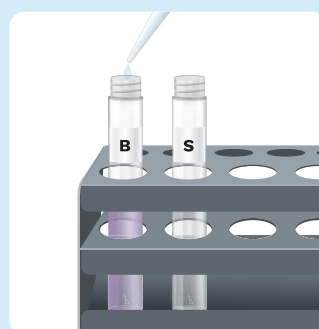
Reagent Blank preparation: Add 5mL of deionized water into a Tubetest

06



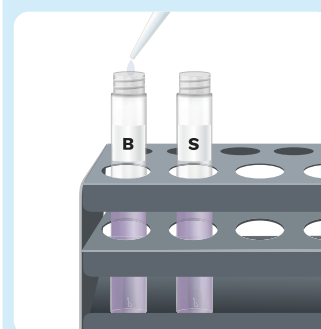
Sample preparation: add 2.5mL of sample and 2.5mL of deionized/distilled water to a Tubetest.

07



Add 250 µL of I-Mn-A reagent into each tubetest.

08



Add 250 µL of I-Mn-B reagent into each Tubetest.

Test continued on page 2



CODMn

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COLOUR CHANGE

Dark Yellow to Clear Yellow.

RANGE:

The test range is 0-10 mg/L

09



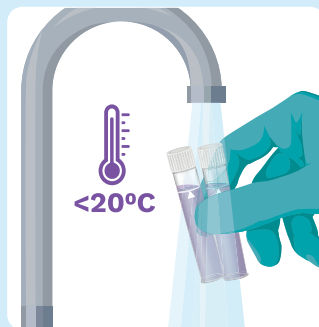
Invert tubes a few times to mix

10



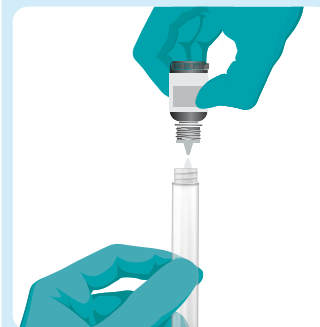
Place the tubes in a water bath and leave for exactly 30 minutes at 100°C.

11



After digestion, quickly cool the digestion tubes to room temperature (20-25°C) with cold water (tap water <20°C);

12



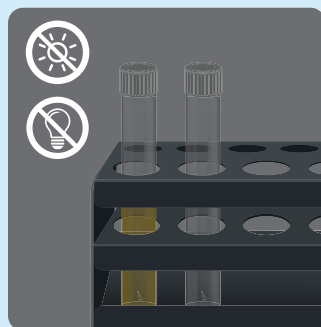
Add 2 drops of I-Mn-C reagent to each of the Tubetests

13



Invert tubes a few times to mix

14



Place the tubes in a dark place to react for 3 minutes

15



Fit the Tubetest adapter to Lumiso, then, insert blank and press Blank. Note: Retain blank for future use.

16



Place the sample Tubetest in the adapter and press Measure to display the Permanganate index concentration.