

visocolor® ECO

Chlorine dioxide

**Test kit for performing colorimetric tests
on chlorine dioxide in drinking water,
water reservoirs and disinfectant solutions**

Method:

At a pH value of 5 to 6, chlorine dioxide reacts with *N,N*-diethyl-1,4-phenylenediamine (DPD) and forms a red-violet dye.

Measurement range:

0.2–3.8 mg/L ClO₂

Contents of test kit (*refill pack):

sufficient for 150 tests

- 16 mL ClO₂-1*
- 18 mL ClO₂-2*
- 25 mL ClO₂-3*
- 2 screw-plug measuring glasses
- 1 slide comparator
- 1 color chart
- 1 plastic syringe 5 mL
- 1 instructions for use*

Hazard warning:

ClO₂-3 contains sulfuric acid 5–15%.

For further information please ask for a safety data sheet.

Instructions for use:

also refer to the pictogram on the back of the color chart

1. Pour **5 mL water sample** into both of the measuring glasses using the plastic syringe.
Place one of them on position A in the comparator.

Only add the reagent to measuring glass B.

2. Fill the second measuring glass with **2 drops of ClO₂-1**.
3. Seal the glass and mix.
4. Open the glass after **2 min** and add **3 drops of ClO₂-2**.
5. Add **3 drops of ClO₂-3**, seal the glass and mix.
6. Open the glass once again and place it on position B in the comparator.
7. Slide the comparator until the colors match in the inspection hole on top. **Immediately** check the measurement reading in the recess on the comparator reed. Mid-values can be estimated.
8. After use, rinse out both measuring glasses thoroughly and seal them.

The reagents can be used also for the **photometric evaluation** with photometer PF-12.

The method cannot be applied for the analysis of sea water.

Disposing of the samples:

The used analysis specimens can be flushed down the drain with tap water and channelled off to the local sewage treatment works.

Interferences:

Free chlorine up to 5 mg/L is not determined with this procedure and thus, does **not** interfere.

Storage:

Store the test kit in a cool (< 25 °C) and dry place.

Product data and ordering information

REF	931 021 (931 221)
Type	colorimetric test kit (refill pack)
Range	<0.2 · 0.2 · 0.4 · 0.6 · 0.8 · 1.1 · 1.7 · 2.3 · 3.8 mg/L (ppm) ClO₂
Sufficient for	150 determinations
Shelf life	at least 1.5 years
Sea water suitability	no
Detectable with PF-12	yes

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