

MACHEREY-NAGEL

QUANTOFIX[®]

Sensitive Test Strips



Highly Sensitive QUANTOFIX[®] Test Strips

- Detection of very low concentrations
- Without additive reagents
- Easy, fast, reliable
- For drinking water, disinfection and corrosion control

Rapid Tests

MACHEREY-NAGEL

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QUANTOFIX® Sensitive Test Strips

Test strips for low measuring ranges

Highly sensitive QUANTOFIX® test strips from MACHEREY-NAGEL allow reliable determination of very low parameter concentrations, for which liquid reagents with photometers are often required.

Order information

Description	REF	Package unit	Application area	Gradation	Parameter
QUANTOFIX® Total Chlorine Sensitive 1	91361	50 test strips	Drinking water, Disinfectant	0 · 0.01 · 0.05 · 0.1 · 0.2 · 0.4 · 0.8 mg/L Cl ₂	Total chlorine (sum of free and combined chlorine)
QUANTOFIX® Chlorine Sensitive 1	91360	50 test strips	Drinking water, Disinfectant	0 · 0.05 · 0.1 · 0.2 · 0.4 · 0.8 · 1.2 mg/L Cl ₂	Free chlorine
QUANTOFIX® Iron Sensitive 1	91359	25 test strips	Boiler, boiler feed and cooling water	0 · 0.05 · 0.1 · 0.2 · 0.5 · 1.0 mg/L Fe ^{2+/3+}	Iron
QUANTOFIX® Copper Sensitive 5	91358	25 test strips	Drinking water	0 · 0.1 · 0.5 · 1.0 · 2.0 · 5.0 mg/L Cu ⁺²⁺	Copper
QUANTOFIX® Chlorine dioxide Sensitive 1	91363	25 test strips	Drinking water, Disinfectant	0 · 0.05 · 0.1 · 0.2 · 0.4 · 0.8 · 1.2 mg/L ClO ₂	Chlorine dioxide

The five parameters

Total chlorine

Chlorine is used as a highly effective disinfectant, e.g. in the treatment of drinking water and in swimming pools. Total chlorine is the sum of free and combined chlorine.

Free chlorine

Free chlorine is the freely available active chlorine. It is an important parameter for controlling effective disinfection. Combined chlorine, on the other hand, does not actively contribute to disinfection because it is chemically bound to salts or organic substances.

Due to the toxicity of chlorine, harmful organisms are killed on the one hand, but on the other hand chlorine is hazardous to the human organism. Therefore, the limit value in drinking water must be strictly controlled.

Iron

Iron is a heavy metal, which in excessive concentrations leads to high corrosion rates. Therefore, this parameter must be controlled especially in boiler, boiler feed and cooling water.

Copper

Copper is a heavy metal that acts as a cytotoxin in high concentrations. It enters tap and fresh water through metal pipes containing copper. The QUANTOFIX® Copper Sensitive 5 test strips allow a reliable determination of copper concentrations as low as 0.1 mg/L. This means that the drinking water control value of 2 mg/L can be effectively monitored.

Chlorine dioxide

Chlorine dioxide is a chemical compound used in various industries, including water disinfection. It is a powerful oxidizing disinfectant capable of effectively eliminating a wide range of microorganisms, bacteria, and viruses. Due to its versatile disinfection properties, chlorine dioxide is used in water treatment, the food industry, paper production, and the disinfection of drinking water.

The QUANTOFIX® Chlorine dioxide Sensitive 1 test strips are designed to monitor the concentration of chlorine dioxide in solutions. They can detect chlorine dioxide in concentrations ranging from 0.05 mg/L to 1.2 mg/L, making them particularly useful for residue control.

Good to know!

For more information on the chlorine parameter, visit our new E-Training page*:



Good to know!

Watch the application video** and learn quickly and easily how to use these test strips:



* <https://www.mn-net.com/e-training-chlorine-read-more>

** <https://www.mn-net.com/water-news/new-product-quantofix-chlorine-sensitive-1>

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Management System
EN ISO 13485:2016
ISO 9001:2015

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