



QUANTOFIX® Test Sticks and Kits

QUANTOFIX®-Test Sticks are ideal for semi-quantitative determination of certain ions and other substances in water.

Advantages of QUANTOFIX®-Test Sticks

- **Quick** – Simply dip the test stick in your water sample and read the result
- **Easy** – No further equipment or reagents are needed
- **Safe and hygienic** – No exposure to sample or reagents
- **Specific** – One strip per test
- **Long shelf life** – 2.5 years under normal conditions
- **Economical** – 100 test per pack

What are QUANTOFIX®-Test Sticks and Kits?

QUANTOFIX®-Test Sticks are ~0.2 mm thick plastic strips, which have a test paper attached to the lower end. This test area guarantees satisfactory comparisons with the same field area on the color scale which is located on the box side. The length of the test sticks makes the testing of corrosive/ aggressive or irritating liquids safe and hygienic. The box stopper contains a drying agent to improve the shelf-life of the sticks. In addition, QUANTOFIX®-Test Kits contain all the required test reagents.

How does it work?

The appropriate QUANTOFIX®-Test Stick is inserted into the water sample. In a few seconds the color of the QUANTOFIX®-Test Stick develops and can be compared to a color chart to ascertain the concentration range of the target substance. Concentrated solutions are

diluted until the color intensity of the test paper can be satisfactorily determined within the detection range. The respective dilution factor is included in the contents specifications.

A number of determinations require the use of additional reagents which are enclosed with the test sticks in a single kit. Instructions for use are enclosed as well. Each pack allows 100 tests.



Cat. No.	Test	Measuring range	Gradations of color scale (mg/L)	Color reaction
37207	Aluminium	5-500 mg/L Al ³⁺	0 – 5 – 20 – 200 - 500	pink → red
37212	Ammonium	10-400 mg/L NH ₄ ⁺	0 - 10 - 25 - 50 – 100 – 200 - 400	yellow → orange
37927	Arsenic	10-500 µg/L As ^{3+/5}	0 – 0.01 – 0.025 – 0.05 – 0.1 – 0.5	white → yellowish-blue
37203	Ascorbic acid	50-2000 mg/L vitamin C	0 – 50 - 100 - 200 - 300 - 500 - 1000 - 2000	yellow → green-blue
37208	Chlorine	1-100 mg/L Cl ₂	0- 1 – 3 – 10 – 30 - 100	white → red-violet
37209	Chromate	3-100 mg/L CrO ₄ ²⁻	0 – 3 – 10 – 30 - 100	white → violet
37199	Cobalt	10-1000 mg/L Co ²⁺	0 – 10 – 25 – 50 – 100 – 250 – 500 - 1000	white → green-blue
37198	Copper	10-300 mg/L Cu ²⁺	0- 10- 30 – 100 - 300	white → red violet
37198	Fluoride	2-100 mg/L F ⁻	0 – 2 – 5 – 10 – 20 – 50 - 100	red → white
37197	Nickel	10-1000 mg/L Ni ²⁺	0- 10- 25- 50- 100- 250-500- 1000	white → light red
37204	Nitrate/nitrite	10-500 mg/L NO ₃ ⁻ 1-80 mg/L NO ₂ ⁻	Nitrate: 0- 10- 25- 50- 100- 250- 500 Nitrite: 0- 1- 5- 10- 20-40- 80	white → red-violet
37205	Nitrite	1-80 mg/L NO ₂ ⁻	0- 1- 5- 10- 20-40- 80	white → red-violet
37206	Peroxide	1-100 mg/L H ₂ O ₂	0 – 1 – 3 – 10 – 30 - 100	white → blue
37210	Phosphate	3-100 mg/L PO ₄ ³⁻	0 – 3 – 10 – 25 – 50 - 100	white → blue-green
37202	Potassium	200-1500 mg/L K ⁺	0 – 200 – 400 – 700 – 1000 - 1500	yellow → orange
37196	Silver - Ag-Fix	0.5-10 g/l Ag ⁺ pH value 4-8	Silver: 0- 0.5- 1- 2- 3- 7- 10 pH value: 4- 5- 6- 7- 8	ochre → brown yellow → blue
37213	Sulphate	200-1600 mg/L SO ₄ ²⁻	<200- >400- >800- >1200- >1600	red → yellow
37201	Sulphite	10-1000 mg/L SO ₃ ²⁻	0 – 10 – 25 – 50 – 100 – 250 – 500 - 1000	white → salmon
37193	Tin	10-500 mg/L Sn ²⁺	0- 10- 25- 50- 100- 250- 500	white → dark blue
37194	Water hardness	3-21°dH	<3 / >4 / >7 / >14 / >21 °dH	turquoise → pink

Technical Support: aquanal@sial.com

Contact

Should you have questions regarding QUANTOFIX® tests or rapid water analysis with AQUANAL® products please contact:

Mr. Michael Jeitziner
Product Management
Tel.: ++41 (0)81 755-2805
Fax: ++41 (0)81 755-2848

Ms. Petra Haubold
AQUANAL®-Application lab
Tel.: ++49 (0)5137 8238-643
Fax: ++49 (0)5137 8238-843

www.sigma-aldrich.com/aquanal