

Semi-quantitative test strips

QUANTOFIX® test strips meet all requirements of a modern rapid test. The color of the reactive pad changes depending on the concentration of an analyte in the sample. The evaluation is usually carried out visually by a comparison of the reaction color with a multi-stage color scale.

Easy analysis directly at the point of interest

Analytical professionals as well as occasional testers appreciate QUANTOFIX® test strips for the fast and easy analysis directly at the point of interest. Often, these tests are used to quickly check whether important parameters are in the desired range. They deliver an immediate result and thus enable a fast response.

Complete mini-lab

QUANTOFIX® tests are immediately ready-to-use. They do not require additional accessories. The test strips are intended for single use, maintenance or calibration are not required.

Quantitative, documented results with QUANTOFIX® Relax

The strip reader QUANTOFIX® Relax (see page 154) provides objective and quantitative results for many important parameters (see page 62). Measurement data including time, date and sample ID are printed, stored and can be transmitted to an information system. This allows the rapid and reliable documentation of test results, which proved to be especially useful for QC departments.

Good to know

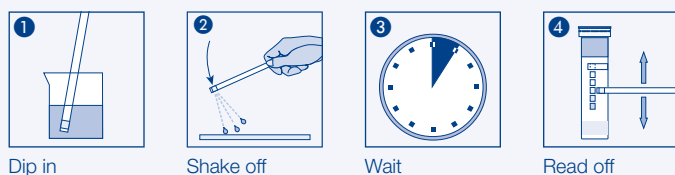
Many customers receive our QUANTOFIX® test strips as OEM product.



How it's done



Application of QUANTOFIX® test strips



Rapid

- Just Dip & Read
- Results within seconds
- Always ready for use

Easy

- No calibration
- No maintenance
- No accessories

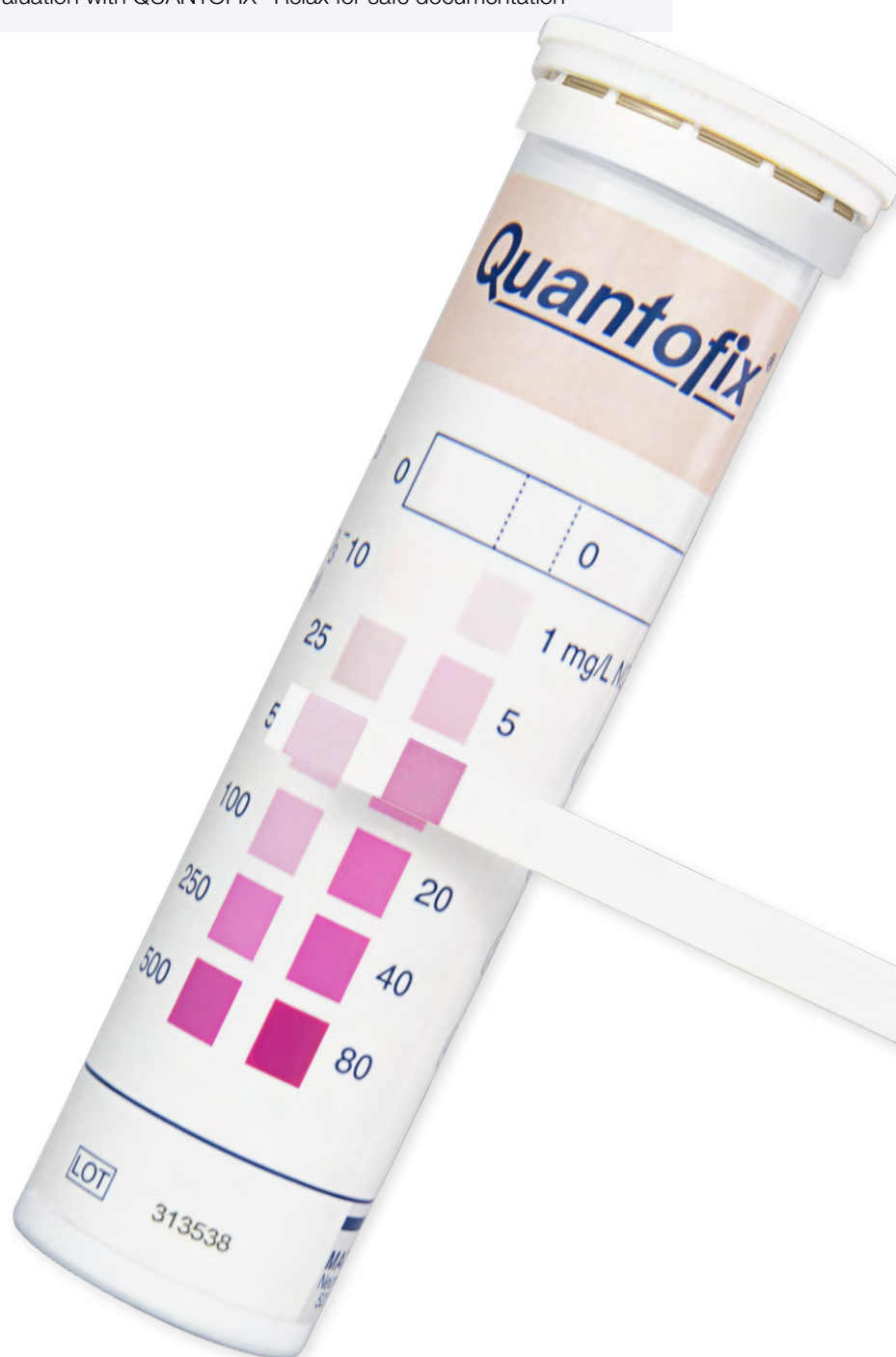
Reliable

- Desiccant in the stopper for optimal protection of the strips against humidity
- Color chart confirmed with traceable standards
- Automatic evaluation with QUANTOFIX® Relax for safe documentation

Good to know



Many QUANTOFIX® test strips can be also evaluated on the strip reader QUANTOFIX® Relax (see page 154).



Ordering information

Test	REF	Measuring range (visual)	Measuring range (instrumental) ¹⁾	Number of tests
■ Active oxygen	91349	0 · 4 · 8 · 15 · 25 mg/L KMPS	–	100
■ Aluminum	91307	0 · 5 · 20 · 50 · 200 · 500 mg/L Al ³⁺	–	100
■ Ammonium	91315	0 · 10 · 25 · 50 · 100 · 200 · 400 mg/L NH ₄ ⁺	10–350 mg/L NH ₄ ⁺	100
■ Arsenic 10	91334	0 · 0.01 · 0.025 · 0.05 · 0.1 · 0.5 mg/L As ^{3+/5+}	–	100
■ Arsenic 50	91332	0 · 0.05 · 0.1 · 0.5 · 1.0 · 1.7 · 3.0 mg/L As ^{3+/5+}	–	100
■ Arsenic Sensitive	91345	0 · 0.005 · 0.01 · 0.025 · 0.05 · 0.1 · 0.25 · 0.5 mg/L As ^{3+/5+}	–	100
■ EZ Arsenic Sensitive PP	91345.2	0 · 0.005 · 0.010 · 0.025 · 0.05 · 0.10 · 0.25 · 0.50 mg/L As ^{3+/5+}	–	100
■ Ascorbic acid	91314	0 · 50 · 100 · 200 · 300 · 500 · 700 · 1000 · 2000 mg/L vitamin C	25–1000 mg/L vitamin C	100
■ Calcium	91324	0 · 10 · 25 · 50 · 100 mg/L Ca ²⁺	–	60
■ Carbonate hardness	91323	0 · 3.8 · 7.5 · 12.5 · 18.8 · 25.0 °e	–	100
■ Chloride	91321	0 · 500 · 1000 · 1500 · 2000 · ≥ 3000 mg/L Cl ⁻	–	100
■ Chlorine	91317	0 · 1 · 3 · 10 · 30 · 100 mg/L Cl ₂ (free)	–	100
■ Chlorine 500	91354	0 · 25 · 50 · 100 · 250 · 500 mg/L Cl ₂	–	100
■ Chlorine dioxide 15	91355	0 · 0.25 · 0.5 · 1 · 3 · 5 · 10 · 15 mg/L ClO ₂	–	50
■ Chlorine dioxide 3000	91357	0 · 10 · 25 · 50 · 100 · 250 · 500 · 1000 · 1500 · 2000 · 2500 · 3000 mg/L ClO ₂	–	100
■ Chlorine Sensitive	91339	0 · 0.1 · 0.5 · 1 · 3 · 10 mg/L Cl ₂ (total)	0.1–10 mg/L Cl ₂	100
■ Chlorine Sensitive 1	91360	0 · 0.05 · 0.1 · 0.2 · 0.4 · 0.8 · 1.2 mg/L Cl ₂ (free)	–	50
■ Chromate	91301	0 · 3 · 10 · 30 · 100 mg/L CrO ₄ ²⁻	–	100
■ Cobalt	91303	0 · 10 · 25 · 50 · 100 · 250 · 500 · 1000 mg/L Co ²⁺	–	100
■ Copper	91304	0 · 10 · 30 · 100 · 300 mg/L Cu ⁺²⁺	–	100
■ Copper Sensitive 5	91358	0 · 0.1 · 0.5 · 1.0 · 2.0 · 5.0 mg/L Cu ⁺²⁺	–	25
■ Cyanide	91318	0 · 1 · 3 · 10 · 30 mg/L CN ⁻	–	100
■ EDTA	91335	0 · 100 · 200 · 300 · 400 mg/L EDTA	–	100
■ Formaldehyde	91328	0 · 10 · 20 · 40 · 60 · 100 · 200 mg/L HCHO	10–200 mg/L HCHO	100
■ Glucose	91348	0 · 50 · 100 · 250 · 500 · 1000 · 2000 mg/L glucose	50–2000 mg/L glucose	100
■ Glutaraldehyde	91343	0 · 0.5 · 1.0 · 1.5 · 2.0 · 2.5 % glutaraldehyde	–	100
■ Iron Sensitive 1	91359	0 · 0.05 · 0.1 · 0.2 · 0.5 · 1.0 mg/L Fe ^{2+/3+}	–	25
■ LubriCheck	91336	0 · 15 · 50 · 75 · 130 · 200 mmol/L KOH	–	100
■ Molybdenum	91325	0 · 5 · 20 · 50 · 100 · 250 mg/L Mo ⁶⁺	–	100
■ Nickel	91305	0 · 10 · 25 · 50 · 100 · 250 · 500 · 1000 mg/L Ni ²⁺	–	100
■ Nitrate 100	91351	Nitrate: 0 · 5 · 10 · 25 · 50 · 75 · 100 mg/L NO ₃ ⁻ Nitrite: 0 · 0.5 · 2 · 5 · 10 · 25 · 50 mg/L NO ₂ ⁻	Nitrate: 3–100 mg/L NO ₃ ⁻ Nitrite: 0.5–50 mg/L NO ₂ ⁻	100
■ Nitrate / Nitrite	91313	Nitrate: 0 · 10 · 25 · 50 · 100 · 250 · 500 mg/L NO ₃ ⁻ Nitrite: 0 · 1 · 5 · 10 · 20 · 40 · 80 mg/L NO ₂ ⁻	Nitrate: 10–500 mg/L NO ₃ ⁻ Nitrite: 0.5–80 mg/L NO ₂ ⁻	100
■ Nitrite	91311	0 · 1 · 5 · 10 · 20 · 40 · 80 mg/L NO ₂ ⁻	0.5–80 mg/L NO ₂ ⁻	100
■ Nitrite 3000	91322	0 · 0.1 · 0.3 · 0.6 · 1 · 2 · 3 g/L NO ₂ ⁻	–	100
■ Nitrite / pH	91338	Nitrite: 0 · 1 · 5 · 10 · 20 · 40 · 80 mg/L NO ₂ ⁻ pH: 6.0 · 6.4 · 6.7 · 7.0 · 7.3 · 7.6 · 7.9 · 8.2 · 8.4 · 8.6 · 8.8 · 9.0 · 9.3 · 9.6	–	100
■ Peracetic acid 50	91340	0 · 5 · 10 · 20 · 30 · 50 mg/L peracetic acid	5–50 mg/L peracetic acid	100
■ Peracetic acid 500	91341	0 · 50 · 100 · 200 · 300 · 400 · 500 mg/L peracetic acid	50–500 mg/L peracetic acid	100

¹⁾ Measuring range for instrumental evaluation with Quantofix Relax. ²⁾ Sets of 3 individually sealed test strips, pack of 50 sets.

GHS: Globally harmonized system: This product contains harmful substances which must be specially labeled as hazardous. For detailed information please see the SDS.

Shelf life	Method	Color change				
			QUANTOFIX® Relax	Additional reagent	GHS	Test
2.5 years	Redox reaction	yellow → green				Active oxygen
2.5 years	Aurin tricarboxylic acid	pink → red		■	■	Aluminum
2.5 years	Nessler	bright yellow → orange	■	■	■	Ammonium
2.5 years	Modified Gutzeit test	white → yellow-brown		■	■	Arsenic 10
2.5 years	Modified Gutzeit test	white → yellow-brown		■	■	Arsenic 50
2.5 years	Modified Gutzeit test	white → yellow-brown		■	■	Arsenic Sensitive
2.5 years	Modified Gutzeit test	white → yellow-brown		■	■	EZ Arsenic Sensitive PP
2.5 years	Phosphomolybdenum blue	yellow → green-blue	■			Ascorbic acid
2.5 years	Glyoxal-bis(2-hydroxyaniline)	yellow → red		■	■	Calcium
2.5 years	Mixed indicator	bright green → blue				Carbonate hardness
2.5 years (2–8 °C)	Silver chromate	brown → yellow				Chloride
2.5 years	Redox reaction	white → red-violet		■	■	Chlorine
2.5 years	Redox reaction	white → blue-green to orange-brown				Chlorine 500
2 year	Redox reaction	colorless → pink				Chlorine dioxide 15
2.5 years	Redox reaction	yellow → dark green (field 1), colorless → brown-black (field 2)				Chlorine dioxide 3000
2.5 years	Redox reaction	yellow → violet	■			Chlorine Sensitive
2.5 years	Redox reaction / hole	white → blue-green				Chlorine Sensitive 1
2 years	Carbazide	white → violet		■	■	Chromate
2.5 years	Rhodanid	white → green-blue				Cobalt
2.5 years	Biquinoline	white → red-violet				Copper
2.5 years	Biquinoline / hole	white → red-violet				Copper Sensitive 5
2.5 years	Barbituric acid derivative	white → violet		■	■	Cyanide
2.5 years	Bismut-xylenolorange	red → yellow				EDTA
2.5 years	Triazol	beige → blue-violet	■	■	■	Formaldehyde
2.5 years	Enzymatic	yellow → blue-green	■			Glucose
2.5 years	Mixed indicator	bright orange → magenta				Glutaraldehyde
2.5 years	Triazine / hole	white → blue				Iron Sensitive 1
2.5 years	Mixed indicator	yellow → blue				LubriCheck
2.5 years	Dithiol	white → green		■	■	Molybdenum
2.5 years	Dimethylglyoxim	white → bright-red				Nickel
2.5 years	Nitrate: modified Griess reaction Nitrite: Griess reaction	yellow → red-violet yellow → red-violet	■			Nitrate 100
2.5 years	Nitrate: modified Griess reaction Nitrite: Griess reaction	Nitrate: white → red-violet Nitrite: white → red-violet	■			Nitrate / Nitrite
2.5 years	Griess reaction	white → red-violet	■			Nitrite
2.5 years	Griess reaction	yellow → red				Nitrite 3000
2.5 years	Nitrite: Griess reaction pH: mixed indicator	Nitrite: white → red-violet pH: yellow-orange → violet-red				Nitrite / pH
2.5 years	Redox reaction	white → blue	■			Peracetic acid 50
2.5 years	Redox reaction	yellow → green	■			Peracetic acid 500

Test	REF	Measuring range (visual)	Measuring range (instrumental) ¹⁾	Number of tests
■ Peracetic acid 2000	91342	0 · 500 · 1000 · 1500 · 2000 mg/L peracetic acid	500–2000 mg/L peracetic acid	100
■ Peroxide 25	91319	0 · 0.5 · 2 · 5 · 10 · 25 mg/L H ₂ O ₂	0.5–25 mg/L H ₂ O ₂	100
■ Peroxide 100	91312	0 · 1 · 3 · 10 · 30 · 100 mg/L H ₂ O ₂	1–100 mg/L H ₂ O ₂	100
■ Peroxide 1000	91333	0 · 50 · 150 · 300 · 500 · 800 · 1000 mg/L H ₂ O ₂	50–1000 mg/L H ₂ O ₂	100
■ Phosphate	91320	0 · 3 · 10 · 25 · 50 · 100 mg/L PO ₄ ³⁻	3–80 mg/L PO ₄ ³⁻	100
■ Phosphate 10	91356	0 · 0.5 · 2.0 · 5.0 · 10.0 mg/L PO ₄ ³⁻	–	50
■ Potassium	91316	0 · 200 · 400 · 700 · 1000 · 1500 mg/L K ⁺	–	100
■ QUAT	91337	0 · 10 · 25 · 50 · 100 · 250 · 500 · 1000 mg/L benzalkonium chloride	–	100
■ Silver	91350	0 · 1 · 2 · 3 · 5 · 7 · 10 g/L Ag ⁺	–	100
■ Sulfate	91329	< 200 · > 400 · > 800 · > 1200 · > 1600 mg/L SO ₄ ²⁻	–	100
■ Sulfite	91306	0 · 10 · 25 · 50 · 100 · 250 · 500 · 1000 mg/L SO ₃ ²⁻	10–500 mg/L SO ₃ ²⁻	100
■ Tin	91309	0 · 10 · 25 · 50 · 100 · 250 · 500 mg/L Sn ²⁺	–	100
■ Total acid	91353	0 · 2 · 2.5 · 3.0 · 3.5 · 4.0 · 4.5 · 5.0 g/L citric acid	2–5 g/L citric acid	100
■ Total iron 100	91344	0 · 2 · 5 · 10 · 25 · 50 · 100 mg/L Fe ^{2+/3+}	–	100
■ Total iron 1000	91330	0 · 5 · 20 · 50 · 100 · 250 · 500 · 1000 mg/L Fe ^{2+/3+}	–	100
■ Total sugar	91352	0 · 55 · 100 · 250 · 400 · 600 · 800 mg/L fructose / glucose	55–700 mg/L fructose / glucose	100
■ Zinc	91310	0 · 2 · 5 · 10 · 25 · 50 · 100 mg/L Zn ²⁺	–	100
■ Nitrate test sets	913918	0 · 10 · 25 · 50 · 100 · 250 · 500 mg/L NO ₃ ⁻ without nitrite chart, but with nitrite test field	–	150 ¹⁾
■ Multistick for aquarium owners	91326 91327	Total hardness: 0 · 6.3 · 12.5 · 18.8 · 25.0 · 31.3 °e Carbonate hardness: 0 · 3.8 · 7.5 · 12.5 · 18.8 · 25.0 °e pH: 6.4 · 6.8 · 7.2 · 7.6 · 8.0 · 8.4	–	100 25

¹⁾ Measuring range for instrumental evaluation with Quantofix Relax. ²⁾ Sets of 3 individually sealed test strips, pack of 50 sets.

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Shelf life	Method	Color change	QUANTOFIX® Relax	Additional reagent	GHS	Test
2.5 years	Redox reaction	bright yellow → red	■			Peracetic acid 2000
2.5 years	Redox reaction	white → blue	■			Peroxide 25
2.5 years	Redox reaction	white → blue	■			Peroxide 100
2.5 years	Redox reaction	white → brown	■			Peroxide 1000
2.5 years	Phosphomolybdenum blue	white → blue-green	■	■	■	Phosphate
2.5 years	Phosphomolybdenum blue	yellow-green → green-blue				Phosphate 10
2.5 years	Dipikrylamine	yellow → orange		■		Potassium
2.5 years	Mixed indicator	yellow → blue-green				QUAT
2.5 years	Silver sulfide	yellow → brown				Silver
2.5 years	Ba-thorine-complex	red → yellow				Sulfate
2.5 years	Nitroprussid / Zn-hexacyanoferrate	white → salmon	■			Sulfite
2.5 years	Phosphomolybdic acid	white → dark blue				Tin
2.5 years	Mixed indicator	pink → yellow	■			Total acid
2.5 years	Triazine	white → blue-violet				Total iron 100
2.5 years	2,2'-bipyridine	white → dark red				Total iron 1000
2 years (2–8 °C)	Enzymatic	yellow → ochre	■	■		Total sugar
2.5 years	Dithizone	orange → red		■	■	Zinc
9 months	Nitrate: modified Griess reaction Nitrite: Griess reaction	white → red-violet				Nitrate test sets
2.5 years	Total hardness: EDTA Carbonate hardness: mixed indicator pH: mixed indicator	Total hardness: green → red Carbonate hardness: bright green → blue pH: yellow → red				Multistick for aquarium owners

