

# QUANTOFIX® QUAT

**Description:**

Quaternary ammonium compounds (QUATS) are often used in disinfectant solutions. To prepare the working solution, the disinfectant concentrate has to be diluted to the concentration for use. QUANTOFIX® QUAT facilitates checking and monitoring this concentration.

**Pack content:**

1 aluminum container with 100 test strips

**Hazard warnings:**

This test does not contain hazardous substances that must be labelled.

**General indications:**

Remove only as many test strips as are required. Close the container immediately after removing a strip. Do not touch the test field.

**Additional indications:**

A greenish discoloration of the test strips when dry is normal and disappears after immersion in deionized water.

**Instructions for use:**

1. Dip the test strip into the test solution for 5 seconds.
  2. Shake off excess liquid.
  3. Wait 15 seconds.
  4. Compare with the color scale.
- If QUATS are present, the test field turns green to bluish-green.

**Note:**

QUANTOFIX® QUAT can be used for the detection of quaternary ammonium compounds in general. The reference compound for the color scale is benzalkonium chloride. Other QUATS can be calculated as follows:

Quaternary ammonium compound	Color scale value								reaction time
	0 mg/L (ppm)	10 mg/L (ppm)	25 mg/L (ppm)	50 mg/L (ppm)	100 mg/L (ppm)	250 mg/L (ppm)	500 mg/L (ppm)	1000 mg/L (ppm)	
	Corresponds to QUAT concentration (mg/L)								
Benzalkonium chloride	0	10	25	50	100	250	500	1000	15 sec
N-Cetyl-N,N,N-trimethylammonium bromide (CTAB)	0	10	25	50	100	250	350	500	15 sec
N-cetylpyridinium bromide (= N-N-hexadecylpyridinium bromide)	0	10	25	50	100	250	350	500	15 sec
Dodecyltrimethylammonium bromide (= Lauryltrimethylammonium bromide, LTAB)	0	10	25	50	150	500	1500	2000	15 sec
Octadecyltrimethylammonium bromide	0	10	25	50	100	250	500	1000	15 sec
Didecyltrimethylammonium bromide	0	10	25	50	100	250	400	750	15 sec
Hyamine® 1622 <sup>1)</sup> (= Benzethonium chloride)	0	10	25	100	250	500	750	1500	60 sec
Cetyltrimethylbenzylammonium chloride (Benzyltrimethylhexadecylammonium chloride)	0	10	25	50	100	250	500	1000	15 sec
Benzyltrimethyldecylammonium bromide	0	10	25	50	100	250	500	1000	60 sec
Dodecylguanidine monohydrochloride (N-2000 Antimicrobial)	0	10	25	50	100	250	500	1000	15 sec
Preventol® DP1021 <sup>2)</sup> (= bronopol (INN),Dodecylguanidine monohydrochloride)	0	5	10	25	50	100	250	500	15 sec

<sup>1)</sup> Hyamine® is a registered trade mark of the Rohm and Haas Co

<sup>2)</sup> Preventol® DP1021 is a registered trade mark of the Lanxess.

**Conversion factor:**

Concentration % ≈ mg/L ÷ 10000

On request, we can produce our INDIQUAT test paper (REF 909000 – 909002) according to the customer’s specifications.

**Disposal:**

Information regarding disposal can be found in the safety data sheet. You can download the SDS from [www.mn-net.com/SDS](http://www.mn-net.com/SDS).

**Storage:**

Avoid exposing the strips to sunlight and moisture. Keep container cool and dry (storage temperature 4 – 30 °C).

If correctly stored, the test strips may be used until the use-by-date printed on the packaging.

