

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 aluminium container with 100 test strips

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:

The yellow coloration of the unused test field is normal and does not indicate any decomposition of the reagents.

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 ¹⁾ (= Benzethonium chloride)	0	10	25	100	250	500	750	1500	60 sec
Cetyldimethylbenzylammonium chloride (Benzyltrimethylhexadecylammonium chloride)	0	10	25	50	100	250	500	1000	15 sec
Benzyltrimethylhexadecylammonium bromide	0	10	25	50	100	250	500	1000	60 sec

¹⁾ Hyamine[®] is a registered trade mark of the Rohm and Haas Co

Conversion factor:

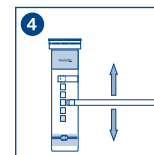
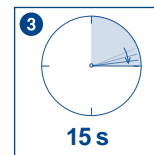
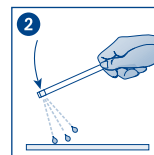
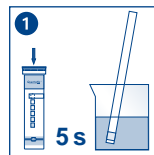
Concentration % \approx mg/L \div 10000

On request, we can produce our INDIQUAT test paper (REF 909 000 - 909 002) according to the customer's specifications.

Storage:

Avoid exposing the strips to sunlight and moisture. Keep container cool and dry (storage temperature not above +30 °C).

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



Product data and ordering information

Type	Semi-quantitative test strips
Presentation	Tube of 100 test strips
Color reaction	yellow to blue-green
Gradation	0 · 10 · 25 · 50 · 100 · 250 · 500 · 1000 mg/l (ppm)
	Benzalkonium chloride
REF	91337