

# QUANTOFIX® Glutaraldehyde

## Description:

QUANTOFIX® Glutaraldehyde are test strips for the semi-quantitative analysis of glutaraldehyde (C<sub>5</sub>H<sub>8</sub>O<sub>2</sub>) in solutions. In the form of ready-to-use solutions, glutaraldehyde is used for the cold sterilisation of temperature-sensitive medical equipment (endoscopes) and for disinfecting surfaces and production equipment. QUANTOFIX® Glutaraldehyde is used for checking the concentration used in these solutions.

*Measuring range:* 0.5-2.5 % glutaraldehyde

*Colour gradation:* 0-0.5-1.0-1.5-2.0-2.5 % glutaraldehyde

## Pack content:

100 test strips

## Reaction principle:

Together with the sodium sulphite in the test field, the glutaraldehyde forms an alkaline addition product that will continue to react with the pH indicator in the test field, creating a colour change from orange to violet.

## General indications:

Remove only as many test strips as are required. Close the container immediately after removing the strips. Do not touch the test field with your fingers.

## Instructions for use:

1. Insert the test strip into the test solution for 1 second.
2. Shake off excess liquid.
3. Wait 15 seconds.
4. Then, compare the test field immediately with the colour scale. Take the value which matches closest with the coloured test field (reading accuracy:  $\pm \frac{1}{2}$  coloured field of the scale).

The reaction colour of the test field may change after the value has been taken. It is therefore crucial to evaluate the colouration within the prescribed time scale in order to achieve a correct result.

## Quality control:

In order to check that the test strips are functioning correctly, use a glutaraldehyde solution with a concentration of 1%. To prepare the solution, add 1.8 ml of glutaraldehyde solution (50% w/w in water) to a 100 ml volumetric flask and then fill with distilled water. Measure immediately using the test strip. If the control solution produces a negative result even after repeating the process, then the remaining unused test strips must be discarded. Even during a negative control (inserting a test strip into distilled water), no red or violet colouration may occur. Possible reasons for incorrect functioning of the test strips may be that the *use-by-date* has been exceeded, the container has been left open for too long or has been stored incorrectly.

## Interferences:

If the sample solution has a pH value of 4-9, the reaction will take place without interferences. The presence of formaldehyde in concentrations of 0.2 % (2000 mg/l) and above will also lead to false positive results (red to violet colouration).

## Storage:

Avoid exposing the strips to sunlight and moisture. Keep container cool and dry (storage temperature between 4°C and 30°C). If correctly stored, the test strips may be used until the use-by-date printed on the packaging.

## Additional information:

The test strip container stopper contains a non-toxic drying agent. If swallowed, drink plenty of water. Disposal: Dispose of used test strips as domestic waste.

### Product data and ordering information

Type	Semi-quantitative test strips
Presentation	tube of 100 strips 6x95 mm
Color reaction	bright orange to magenta
Gradation	0 · 0.5 · 1 · 1.5 · 2 · 2.5 % Glutaraldehyde
REF	91343

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