

# QUANTOFIX® Peroxide 1000



## Method of application:

Remove only as many test sticks as are required, and reseal the container immediately after use. Do not touch the test paper zones. Dip test stick briefly (approx. 1 second) with **both** test fields into test solution, shake off excess liquid and compare after 45 seconds test fields to colour scale.

## Interpretation:

- In the presence of hydrogen peroxide the test field at the end of the stick turns yellow-brown.
- If the warning field turns blue during the reaction time of 45 seconds, the hydrogen peroxide concentration is greater than 2000 mg/l, although the peroxide test field may indicate a value within the measuring range. In this case we recommend to dilute the test solution until the warning field no longer reacts and the hydrogen peroxide concentration is below 1000 mg/l.
- The test fields may change after the reaction time has elapsed. This must not be considered in the measurement.

## Interferences:

In the pH range of 2-9 the accuracy of the determination is independent of the pH of the test solution. Buffer strongly acidic solutions with sodium acetate and adjust alkaline solutions to about pH 5-7 with citric acid. Falsely positive results can only be caused by strong oxidizing agents.

The following ions only interfere above the indicated concentrations:

> 1000 mg/l: formaldehyde (HCHO)

> 500 mg/l:  $\text{Ca}^{2+}$ ,  $\text{NO}_3^-$

> 100 mg/l: ascorbate, free chlorine, bound chlorine,  $\text{SO}_3^{2-}$

> 70 °d (88 °e): total hardness

In the presence of free and bound chlorine the warning field turns blue.

## Storage:

Avoid exposing the sticks to sunlight and moisture. Store unopened packs in refrigerator (+2 °C to +8 °C). Opened packs: store container in a cool and dry place.