

## Product Technical Fact Sheet

Product Code: PER-HP

Product Description: Time Sensitive Peroxide Test Strips 2-10%

### Application:

The 2-10% Peroxide test strip detects peroxide in water. They can also be used to detect peroxide vapors typically used in sterilization (fogging).

Test Range: 2-10%      Test Increments: Time chart calibrated at 2, 3, 5, and 10% peroxide in water

Accuracy: +/- ½ a unit      Detection Limit: about 1%



Storage Recommendations: Store in original packaging in a cool (20-30C), dry, place out of direct sunlight.

Shelf-Life: Two years from date of manufacture when stored properly in original packaging.

Interferences: Test strip may react to other oxidizing materials, peracetic acid, chlorine, etc.

### Instructions for Use:

1. Remove one test strip from the vial. Do not touch the test pad with your fingers.
2. Dip the test strip into the solution being tested for 1-2 seconds.
3. Remove, hold level and do not shake off any excess liquid.
4. Evaluate the time required for the test pad to turn dark. Use the chart to estimate the % peroxide.

### Chemistry Behind the Test:

The test pad is treated with a formula consisting of buffers, surfactants, and a red-ox indicator. The presence of peroxide causes the red-ox to develop color. The time required for color developed is proportional to the amount of peroxide present.

### Other Information:

The peroxide test strips were developed to work with solutions prepared from concentrated solutions of hydrogen peroxide. Some formulations of hydrogen peroxide contain surfactants to create an “accelerated” peroxide solution. These “accelerated” solutions may work with the test strips but almost always require a custom color chart to be developed.

Disclaimer: The peroxide test strips are not intended for use to diagnose, treat, or monitor any medical condition.