



Micro-X® Residual Test Strips - K100-0100

For Use with Peracetic Acid Germicides
Carefully Read Instructions for Use

Mfd. by:

Reprocessing Products Corp (RPC)
Minneapolis, MN • Tucson, AZ PH: 800-647-3873

Reorder No. K100-0100
Quantity - 100 per container

Micro-X® Residual Test Strips are intended for use in the determination of the residual level of peracetic acid when used as part of a quality assurance program which complies with the AAMI standard- RD47.

Micro-X® Residual Test Strips cannot be used for the detection of peracetic acid in the presence of compounds other than those normally encountered in dialyzer reprocessing, water treatment system sanitization and dialysis machine disinfection.

Instructions for Use

1. Remove only as many test strips as needed and reseal containers immediately to minimize the exposure to ambient humidity.
2. Do not touch the test pad located near the end of the strip.
3. Dip a test strip briefly (approximately 1 second) into test solution. **Do not dip the test strip directly into a filled dialyzer as this may contaminate the dialyzer.** In the presence of hydrogen peroxide, peracetic acid or other similar compounds the test strip will change color.
4. After 5 seconds, compare the test pad color with the color scale on the container. Match the test pad color to the colored pad above the concentration readings on the container. The concentration written below this colored pad is the concentration of the test solution (mg/l is equivalent to ppm).
5. If the concentration is less than 3 ppm discontinue rinsing. If 3 ppm or greater, continue rinsing until the result is less than 3 ppm.

Note: *When comparing the color of the strip to the color indicated on the container always interpret a lighter shade of the indicated color as being below the indicated concentration and a darker shade of the indicated color to be above the indicated concentration. In the case of 0 ppm there may be no change when the concentration is at this level. However a check of expiration date and a cross check with a known concentration of disinfectant may be indicated. The color scale used is:*

*0 ppm - White to Sea Green, 3 ppm - Light Green to Blue, 10 ppm - Turquoise
30 ppm - Blue, 100 ppm - Midnight Blue to Black*

6. Storage: Avoid exposing test strips to direct sunlight as color indicative chemistry may degrade. Avoid exposure to water or high humidity or peroxide/peracetic acid vapors to prevent inadvertent activation. Store containers of test strips in a dry place below +30° C (86°F). Keep containers tightly sealed. **To verify performance follow the Calibration/Performance Verification testing listed below.**

Calibration/Performance Verification:

To verify performance of the test strip, serially dilute a 3% hydrogen peroxide solution to make 500x, 1500x, 6000x, and 12000x, test solutions. Verify test solution concentration by careful titration with Potassium Permanganate. Use a minimum of three test strips for each test solution and verify performance by following the Instructions for Use listed above to determine the solution concentrations. The resulting color should provide a comparable result between the colors for 30 -100 mg/l (500x), 10-30 mg/l (1500x), 3-10 mg/l (6000x) and 1-3 mg/l (12000x) respectively (refer to note in step 5). For further information contact RPC.

CAUTION: Protective eyewear and apparel should be worn when working with cleaning agents or disinfectants.

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