

## Instructions for Use: ProExpose™ Protein Detection Test (long lumen)

### Product Description:

ProExpose is designed to detect protein residue that may remain on instruments after an ineffective cleaning process. This protein test utilizes a simple dye-binding method for protein detection that results in a clear color change when protein is present. The solution is a brown color when no protein is present; the solution turns to a blue color when a protein is present. ProExpose yields semi-quantitative results: the higher the concentration of protein present in the solution, the darker and more saturated blue color appears in the test vials. The test is sensitive to  $\geq 1\mu\text{g}$  of protein, yields results in less than 10 seconds at room temperature, and does not require incubation. The test utilizes 2.5 meter long and 2.8 mm diameter swab.

To use ProExpose, moisten the swab with de-ionized water, if the test object isn't already wet. Insert the swab into the channel of endoscope. If the diameter of the channel is too small, don't use this swab. Remove the swab, and swirl it in the reagent solution for 5 seconds. Observe for any color change. Test performance can be verified with positive control strips containing proteins, included with test.

### Instructions For Use:

1. Gloves should be worn when using the protein test. Additionally, for your safety, wear appropriate personal protection equipment and avoid directly inhaling the reagent. To prevent cross-contamination, do not touch the blue tip of the swab with your hands or any other surface but the surface to be tested and keep the bag containing the swabs sealed between uses.
2. Moisten the long swab with sterile water.
3. Insert the swab into the scope/biopsy channel. Gently feed it all the way through one (1) time.
4. Unscrew the cap of the vial, and swirl the swab in the reagent for 5 seconds.
5. Discard the swab and screw the cap back on the vial.
6. Visually inspect the reagent for color change: The initial color of the reagent is light brown / red-brown. If the reagent has turned blue / blue-green, protein residue is present. The darker the blue color, the more protein has been detected. If there is no change in color, protein residue has not been detected.
7. A positive control has been supplied. To use positive control, simply wet the short swab, and rub colored portion of positive control until sufficient red color is observed on the swab. Unscrew cap on reagent vial, and swirl the swab in reagent for 5 seconds. Discard the swab and screw the cap back onto vial. The result will be a bright blue, indicating that the reagent works properly, and provides a reference color for a highly positive reaction to protein.

**Storage Conditions:** 2°C to 35°C (36°F to 95°F), 30-70% RH

**Shelf Life:** Shelf life is 2 years from manufacture when refrigerated and 6 months when not refrigerated

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