

DATA SHEET

PAP Pen

Doc. No. 932-XT001-PP, Rev. No. D
Date of Release: 21-Sep-2020

Catalog No	Description
XT001-PP	~5 mm round tip hydrophobic barrier PAP pen

Intended Use

This water repellent and heat stable product is intended for laboratory use only in Immunohistochemistry, Immunocytochemistry, Immunofluorescence and in situ hybridization.

Summary and Explanation

The PAP Pen is a useful pen-like tool for immunohistochemical staining methods. It is designed to prevent the waste of valuable reagents by forming a water-repellent barrier around the specimen. This barrier creates the proper surface tension to hold an antibody solution or detection reagents within the target area on the slide. The surface tension provided by the PAP Pen circle ensures that only the amount of antibody solution needed for sufficient reaction will be applied. Since over-flooding of the slide is eliminated, wiping of excess fluid around the specimen can be avoided. The PAP Pen can be used for immunostaining of paraffin sections, frozen sections, and for fluorescent antibody methods. The PAP Pen contains a special formulation, which is water repellent. It can be removed, if desired, with xylene or xylene substitutes after the staining procedure is completed.

Item Supplied

1 each (XT001-PP) PAP Pen

Procedure

- Priming the tip:* When first using the PAP Pen, or if the pen becomes dry, it is necessary to prime the tip portion. Hold the pen in the vertical position (tip down). Gently push the tip into the pen, then release. Hold the pen in the vertical position, and visually monitor the tip until it has become saturated. Repeat this procedure if necessary, or if the tip becomes dry. The PAP Pen is now ready for use.
- Deparaffinization:* Deparaffinize the sections with xylene followed by ethanol in the usual manner. Wipe away or dry any excess liquid around the sections on the glass slide.
- Manual procedures:* Draw a circle around the section with the PAP Pen. Allow to dry for 1-2 minutes at room temperature.
- Automated procedures:* When performing staining procedures on the OptiMax Plus Automated Cell Stainer, draw two straight lines extending across the entire width of the slide, one line above and one line below the section. Allow to dry for 1-2 minutes at room temperature.

Note: For best results, use BioGenex OptiPlus™ Positive-Charged Slides (Cat. No. XT002-SL).