

PAP PEN (HYDROPHOBIC SLIDE MARKER)

CATALOG ID	DESCRIPTION
PP001-01	1 Each

INTENDED USE

BioMarq PAP PEN is intended for Laboratory use only.

SUMMARY & EXPLANATION

BioMarq PAP Pens are used for Immunohistochemical applications (immunohistochemistry and *in situ* hybridization detection methods) and is designed for use with frozen or paraffin-embedded tissue sections mounted on glass slides.

The surface tension provided by the barrier, ensures formation of a water repellent barrier that keeps staining reagents localized on the tissue sections, prevents mixing of reagents when differentially staining sections are applied on the same slide and allows the use of less reagents per section

PRINCIPLE OF THE PROCEDURE

BioMarq PAP Pen is effective tool for immunostaining procedures and is compatible with Peroxidase-Antiperoxidase (PAP) method, ABC method, LSAB method, polymeric method and Frozen Section method. BioMarq PAP Pens can be used with fluorescence-based detection systems as well.

For paraffin sections, the PAP Pen should be applied after deparaffinization step and for frozen sections, the **PAP Pen** can be applied after fixation.

The barrier formed by the Pen is lightly colored and easily visible. The barrier is insoluble in alcohol and acetone but is completely removed by all commonly used xylene and xylene substitute clearing agents. Pen barrier is stable for

use with buffers with and without detergent (e.g. Tween 20 or Triton X-100, etc.).

RECOMMENDED PROTOCOL

1. Wipe off any excess reagents/liquid around the sections on the glass slide.
2. Draw a circle or any other shape around the section with the PAP Pen.
3. Allow the barrier to dry for 1 minute at room temperature.

NOTE: For best results use BioMarq Positively charged (SL001) slides or Silane Coated slides (SL002).

STORAGE AND HANDLING

Store at Room Temperature (RT). Product is stable at 2-8°C but warm to RT before use. **Do not Freeze.**

TECHNICAL NOTE

1. BioMarq PAP pen can be used for 500-600 applications approximately
2. **Stainless steel nib** allows smooth flow of ink. Also it prevents the drying of ink inside the pen thereby giving long lasting performance.

If atypical results occur, contact BioMarq Technical Support at 040-29702960.

PRECAUTIONS

For safety data sheet please log on to www.biomarq.net.