

PAP Pen

Reference: AP12010



1 of 1

INTENDED USE AND PRESENTATION:

For research use only.

AP12010, 1 pen

SUMMARY, EXPLANATION AND LIMITATIONS:

The PAP pen provides a thin, film-like water repellent barrier when a circle is drawn around a specimen on a glass slide. This barrier creates the proper surface tension to hold antibody solution within the target area on the slide. This avoids repeated wipeout around the specimen during staining procedures. Since the reagent is guarded by the hydrophobic circle around the tissue, it minimizes the undesirable dilution of the reagent with the wash buffer. This pen can be used for PAP, ABC, immunofluorescence method, frozen section sections and in situ hybridization procedures. Two specimens separated by two circles can be applied to the same slide.

Immunohistochemistry is a complex technique involving both histological and immunological detection methods. It requires a highly trained histotechnologist. Tissue processing and handling prior to immunostaining, for example variations in fixation and embedding or the inherent nature of the tissue can cause inconsistent results (Nadji and Morales, 1983). Inadequate counterstaining and mounting can influence the interpretation of the results.

PROPERTIES:

- Heat resistance up to 120 °C,
- Ready to be used directly on the wet slides,
- Applicable to microwave staining and in situ hybridization,
- Circle made by PAP pen is insoluble in alcohol and acetone,
- Resistente a la rehidratación y deshidratación en alcohol,
- Si lo desea, los círculos pueden ser eliminados con xileno luego de completado el procedimiento de tinción.

APPLICATION:

To provide a hydrophobic barrier when a circle is drawn around a specimen on a glass slide.

REAGENT PROVIDED:

1 pen (ready-to-use)

PREPARATION BEFORE USE:

Before use, hold the pen point up and press it with fingertip to take blocked air out from the pen barrel to prevent overflow.

PROCEDURE:

To start, press the tip of the pen straight down until fluid start soaking the tip and then draw a circle around the specimen.

REQUIRED MATERIALS BUT NOT SUPPLIED:

All reagents, materials, and laboratory equipment for IHC or ISH procedures are not provided with this product. This includes primary antibodies, adhesive slides and cover slips, positive and negative control tissues, Xylene or adequate

substitute, ethanol, distilled H₂O, heat pretreatment equipment (pressure cooker, steamer, microwave), pipettes, Coplin jars, glass jars, moist chamber, histological baths, negative control reagents, counter-staining solution, mounting materials, and microscope.

Antibodies, buffered solutions for antigen retrieval, enzyme treatments, others highly sensitive detection systems, and other auxiliary reagents are available from Genova Scientific.

STORAGE AND STABILITY:

Store at room temperature. Always keep the pen tightly capped and store horizontally. Press down on the tip when the pen start to dry out.

Genova Scientific guarantees that the product will maintain all of the described characteristics from the production date until the expiration date, as long as the product is stored and used as recommended. No other guarantees are provided. Under no circumstances is Genova Scientific obliged to cover damages caused by use of this reagent.

TROUBLESHOOTING:

If you observe unusual staining or other deviations from the expected results please read these instructions carefully, contact Genova Scientific's technical support or your local distributor. Also refer to the instructions of the detection systems for guidance on general troubleshooting.

PRECAUTIONS:

Use only by qualified personnel.

Use proper protective equipment in order to avoid contact with reagents and samples in the eyes, skin, and mucosal tissues. In case of contact with sensitive areas, immediately flush the affected area with water. Avoid microbial contamination of the reagent, as this may produce nonspecific staining results. Material safety data sheet (MSDS) is available upon request.

PERFORMANCE CHARACTERISTICS:

Genova Scientific has conducted studies to evaluate the performance of the reagents. The product has been found to be suitable for the intended use.

BIBLIOGRAPHY:

Elias JM "Immunohistopathology – A practical Approach to Diagnosis" ASCP Press 2003
Nadji M, Morales AR. Immunoperoxidase, part 1: the techniques and its pitfall. Lab Med 1983; 14:767-770.

F01IT04_V1R0712_AP12010_English



Catalog number



Batch code



Research use only



Temperature limitation



Expiration date



Manufacturer



See instruction for use



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