

## Elite PAP Pen

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### Intended Use

For In Vitro Diagnostic Use.

### Product Description

Elite PAP pen provides a thin, film-like water repellent barrier when a circle is drawn around the specimen on the glass slide. This barrier creates the proper surface tension to hold antibody solution within the target area on the slide. This precludes the need for wiping around the specimen during the staining procedure. Since the reagent is guarded by the hydrophobic circle around the tissue, it minimizes the undesirable dilution of reagents with the wash buffer. This pen can be used for PAP, ABC, immunofluorescence, frozen sections and in situ hybridization procedures. The Mini PAP pen is especially useful when working with multiple sections on a single slide because its tip is finer than the regular PAP pen.

### Summary and Explanation

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

Heat resistance up to 120°C.

Applicable to microwave staining and in situ hybridization.

Circle made by Elite PAP pen is insoluble in alcohol and acetone.

Withstands rehydration and dehydration steps in alcohol.

If desired, circle can be removed by xylene after the staining procedure is complete.

### Format

PAP Pen

### Volume/UOM

1 Each

### Storage and Handling

Always keep the pen tightly capped and store horizontally. Press down on the tip when pen starts to dry out.

### Preparation of Working Solutions

1. Ready to be used directly on wet slides.

### Protocol Recommendations

1. Hold the pen point up and press it with your fingertip to take blocked air out from the pen barrel to prevent overflow.
2. To start, press the tip of the pen straight down until fluid starts soaking the tip and then draw a circle around the specimen.

### Quality Control

Refer to CLSI Quality Standards for Design and Implementation of Immunohistochemistry Assays; Approved Guideline-Second edition (I/LA28-A2). CLSI Wayne, PA, USA (www.clsi.org). 2011.

### Troubleshooting

Contact Diagnostic BioSystems Technical Support at (925) 484-3350, extension 2, techsupport@dbiosys.com or your local distributor to report unusual staining results.

### Warranty

There are no warranties, expressed or implied, which extend beyond this description. Diagnostic BioSystems is not liable for property damage, personal injury, or economic loss caused by this product.

### Performance Characteristics

The protocols for a specific application can vary. These include, but are not limited to: fixation, heat-retrieval method, incubation times, tissue section thickness and detection kit used. Due to the superior sensitivity of these unique reagents, the recommended incubation times and titers listed are not applicable to other detection systems, as results may vary. The data sheet recommendations and protocols are based on exclusive use of Diagnostic BioSystems products. Ultimately, it is the responsibility of the investigator to determine optimal conditions. These products are tools that can be used for interpretation of morphological findings in conjunction with other diagnostic tests and pertinent clinical data by a qualified pathologist.

### Precautions

1. Wear disposable gloves when handling reagents.
2. Specimens, before and after fixation, and all materials exposed to them should be handled as if capable of transmitting infection and disposed of with proper precautions. Never pipette reagents by mouth and avoid contacting the skin and mucous membranes with reagents and specimens. If reagents or specimens come in contact with sensitive areas, wash with copious amounts of water.
3. Microbial contamination of reagents may result in an increase in nonspecific staining.
4. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change.
5. Do not use reagent after the expiration date printed on the label.
6. The MSDS is available upon request.
7. Consult OSHA, federal, state or local regulations for disposal of any toxic substances.

