

# Super Pap Pen

General Laboratory Reagent  
904-PEN1111-082923

**BIOCARE**  
M E D I C A L

Available Product Formats	
Catalog Number	Volume
PEN1111	Hydrophobic Pen

## Intended Use:

General Laboratory Reagent

The Super Pap Pen is intended for laboratory professional use for making hydrophobic barriers on glass slides for immunohistochemical procedures.

## Background Summary:

The Super Pap Pen is mainly used for making hydrophobic barriers on glass slides for immunohistochemical procedures. The hydrophobic properties keep anti-sera or reagents in a confined area. This also allows the end-user to use small amounts of valuable anti serum or other reagents on the specimen. The green color will fade in alcohol or xylene. The hydrophobic barrier does not dissolve in alcohol, acetone, or xylene, thus preventing contamination.

## Materials and Methods:

### Reagents Provided:

Kit Catalog No.	Component Description	Quantity x Volume
PEN1111	Super Pap Pen	1 x hydrophobic pen

## Reconstitution, Mixing, Dilution, Titration:

The Super Pap Pen is a ready-to-use solution. No dilution and mixing before use are required.

## Known Applications:

Use on microscope slides to maintain a hydrophobic barrier.

## Supplied As:

Hydrophobic pen containing toluene. See Safety Data Sheet for additional details.




## Storage and Stability:

Store at room temperature in a vertical position with the cap down. The reagent is stable to the expiration date printed on the vial label when stored under these conditions. Do not use after expiration date. Storage under any condition other than those specified must be verified.

## Warning and Precautions:

1. Reagent contains toluene. Wear gloves and protective clothing and take reasonable precautions when handling it as this Super Pap Pen is classified as an irritant and a health hazard. Avoid contact with eyes, skin, and mucous membranes.
2. Handle materials of human or animal origin as potentially biohazardous and dispose of such materials with proper precautions. In the event of exposure, follow the health directives of the responsible authorities where used.<sup>2,3</sup>
3. Microbial contamination of reagents may have an effect on its use.
4. Do not use reagent after the expiration date printed on the label.
5. Follow local and/or state authority requirements for method of disposal.
6. Refer to the reagent safety datasheet (SDS) prior to use. Reagents may demonstrate unexpected reactions in previously untested procedures. The SDS is available upon request and is located at <http://biocare.net>.
7. Report any serious incidents related to this reagent by contacting the local Biocare representative and the applicable local, state, or governmental agencies.

This **Super Pap Pen** contains components classified as indicated in the table below in accordance with Regulation (EC) No. 1272/2008.

Hazard	Code	Hazard Statement
	H225	Highly flammable liquid or vapour.
	H304	May be fatal if swallowed and enters airways.
	H312	Harmful in contact with skin.
	H315	Causes skin irritation.
	H319	Causes serious eye irritation.
	H332	Harmful if inhaled.
	H335	May cause respiratory irritation.
	H336	May cause drowsiness or dizziness.
	H351	May cause cancer.
	H360	May damage fertility or the unborn child.
	H362	May cause harm to breast-fed children.
	H373	May cause damage to organs through prolonged or repeated exposure.
	H400	Very toxic to aquatic life.
	H411	Toxic to aquatic life with long lasting effects.
		

## Instructions for Use:

The Super Pap Pen is for general laboratory use. When using it in combination with other products, refer to the related products instructions for use for recommended conditions for use.

## How to Prime the Super Pap Pen for use:

Invert the pen (tip down) and recess the spring-loaded tip for several seconds on a paper towel. Lift the pen off the paper towel and hold it in a vertical position. Wait until the pen tip is saturated with hydrophobic liquid. The pen is now ready-for-use. The SUPER PAP PEN may require additional priming. Store the pen in a vertical position with the cap down.

## How to Use the Super Pap Pen:

1. Deparaffinize tissue sections and hydrate to water.
2. If necessary, perform a heat retrieval method before applying the barrier.
3. Rinse tissue sections in deionized water and drain.
4. Carefully wipe around the tissue section to remove excess water.
5. Make a square or circle hydrophobic barrier around each tissue section. The pen makes a light green barrier. Do not touch or get too close to the tissue with the Super Pap Pen.
6. Place the slide in a horizontal position and add several drops of wash buffer over the tissue.
7. Begin staining procedure.

## Technical Note:

1. Do not put the barrier on the slide prior to deparaffinization and/or heat retrieval methods. The barrier will lose its hydrophobic properties.

## Technical Support:

Contact Biocare's Technical Support at 1-800-542-2002 for questions regarding this product.

## Limitations:

### General Limitations:

1. For General Laboratory Use.
2. This reagent is for professional use only.

## References:

1. Occupational Safety and Health Standards: Occupational exposure to hazardous chemicals in laboratories. (29 CFR Part 1910.1450). Fed. Register.
2. Directive 2000/54/EC of the European Parliament and Council of 18 September 2000 on the protection of workers from risks related to exposure to biological agents at work.



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