

## Peroxidized Diluent

### Diluent

Control Number: 901-PX970-082417

**Catalog Number:** PX970LH  
**Description:** 125 ml, Ready-to-use

**Intended Use:**  
For In Vitro Diagnostic Use

**Summary & Explanation:**  
N/A

**Known Applications:**  
Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

**Supplied As:**  
Diluting buffer with proprietary components

**Materials and Reagents Needed But Not Provided:**  
Microscope slides, positively charged  
Desert chamber\* (Drying oven)  
Positive and negative tissue controls  
Xylene (Could be replaced with a xylene substitute\*)  
Ethanol or reagent alcohol  
Decloaking chamber\* (Pressure cooker)  
Deionized or distilled water  
Wash buffer\*(TBS/PBS)  
Pretreatment Reagents\*  
Enzyme Digestion\*  
Avidin-Biotin Blocking Kit\* (Labeled Streptavidin Kits Only)  
Peroxidase block\*  
Protein block\*  
Primary antibody\*  
Negative Control Reagents\*  
Detection Kits\*  
Detection Components\*  
Chromogens\*  
Hematoxylin\*  
Bluing Reagent\*  
Mounting media\*

\* Biocare Medical Products: Refer to a Biocare Medical catalog for further information regarding catalog numbers and ordering information. Certain reagents listed above are based on specific application and detection system used. reagents listed above are

**Storage and Stability:**

Store at 2°C to 8°C. Do not use after expiration date printed on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user. Diluted reagents should be used promptly; any remaining reagent should be stored at 2°C to 8°C.

**Protocol Recommendations**

Some tissues require different concentrations of hydrogen peroxide for blocking endogenous peroxidase. Biocare's Peroxidized 1 can be diluted with Peroxidized 1 Diluting Buffer. For delicate tissues/antigens, we recommend diluting Peroxidized 1 at 1:3 with diluting buffer. For frozen sections we recommend a 1:5 dilution.

1. Deparaffinize tissues and hydrate to water.
2. Add sufficient diluted Peroxidized 1 peroxide block to cover the tissue section completely. Incubate for 5-15 minutes.
3. If necessary, perform a heat retrieval method.. Wash slides with several changes of wash buffer. Slides are now ready for application of next reagent.

Technical Note: Peroxidized 1 can be used before the primary antibody or used before the secondary (Link or Probe) application.

**Limitations:**

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 Biocare 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.

**Quality Control:**

Refer to NCCLS Quality Assurance for Immunocytochemistry approved guidelines, December 1999 MM4-A Vol.19 No.26 for more information on tissue controls.

**Precautions:**

Reagents contain less than 0.1% Sodium azide. Concentration less than 0.1% is not reportable hazardous material according to U.S. 29 CFR 1910.1200, OSHA Hazard communication and EC Directive 91/155/EC.

Sodium azide (NaN<sub>3</sub>) used as a preservative is toxic if ingested. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing. (Center of Disease Control, 1976, National Institute of Occupational Safety and Health, 1976).

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.

Microbial contamination of reagents may result in an increase in nonspecific staining. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change. The MSDS is available upon request.

**Troubleshooting:**

Follow the antibody specific protocol recommendations according to data sheet provided. If atypical results occur, contact Biocare's Technical Support at 1-800-542-2002.

**Limitations & Warranty:**

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