

# Peroxidized 1

## Blocking Reagent

Control Number: 902-968-082317

**Catalog Number:** BRR 968 H, M, MM

**Description:** 25, 500, 1000 ml, Ready-to-use

### Intended Use:

For Research Use Only. Not for use in diagnostic procedures.

### Summary & Explanation:

Peroxidized 1 is a highly stable form of hydrogen peroxide for blocking endogenous peroxidase. It is very effective for blocking non-specific staining in red blood cells. It is non-flammable, safer and less toxic when compared to hydrogen peroxide/methanol formulations. It can also be used on an automated staining system.

### Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

### Supplied As:

Buffered hydrogen peroxide, plus stabilizer and 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\*  
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.

### Storage and Stability:

Store at 2°C to 8°C away from light. 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.

### Staining Protocol Recommendations:

1. Deparaffinize tissues and hydrate to water.
2. Apply Peroxidized 1 and incubate for 5 minutes at RT.
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.

### Protocol Notes:

If Peroxidized 1 causes an unacceptable decrease in specific staining, dilute Peroxidized 1 (1:3, 1:5, etc.) or if the tissue has high amounts of endogenous peroxidase activity, increase the incubation time to 10 minutes.

### Limitations:

This product is provided for Research Use Only (RUO) and is not for use in diagnostic procedures. Suitability for specific applications may vary and it is the responsibility of the end user to determine the appropriate application for its use.

### Precautions:

1. This product contains less than 0.1% sodium azide. Concentrations less than 0.1% are not reportable hazardous materials 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 for Disease Control, 1976, National Institute of Occupational Safety and Health, 1976)
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 vial.
6. The SDS is available upon request and is located at <http://biocare.net>.
7. Consult OSHA, federal, state or local regulations for disposal of any toxic substances.

### Technical Support:

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