

## Background Blocker

K023

K023-NC

Document #: DS-2018-C  
Effective Date: 12/18/2023

### Intended Use

For In Vitro Diagnostic Use.

### Product Description

To block nonspecific background staining observed during immunostaining.

### Summary and Explanation

Background Blocker is unique serum-free blocking solution used to reduce nonspecific background staining. It is a universal blocking agent which eliminates the need to match species with the link antibody. This blocking reagent has been shown to be more superior than serum-based blocking solutions. In addition to immunohistochemistry, Background Blocker can also be used for ELISA and Western Blot techniques.

### Format

Light blue ready to use solution

### Volume/UOM

100 mL

### Storage and Handling

Store at room temperature. This product contains Sodium Azide as a preservative. Do not use after expiration date printed on label.

### Preparation of Working Solutions

1. Background Blocker is ready to use and does not require any preparation.

### Protocol Recommendations

1. Deparaffinize slides and bring them to water.
2. If desired, block hydrogen peroxidase activity.
3. Wash tissue sections with wash buffer.
4. Apply enough drops of Background Blocker to cover tissue sections completely. Incubate at room temperature for 10 minutes.
5. Drain off excess of Background Blocker and apply primary antibody without washing slide(s).

### 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](http://www.clsi.org)). 2011.

### Troubleshooting

Contact Diagnostic BioSystems Technical Support at (925) 484-3350, extension 2, [techsupport@dbiosys.com](mailto: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

This product is a single-use, non-sterile, in vitro diagnostic device.

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.

