

## V-Blocker

### Blocking Reagent

Control Number: 902-4001-\$- %& %&

**Catalog Number:** BRR 4001 G

**Description:** 6.0 ml, Ready-to-use

**Intended Use:**

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

**Summary & Explanation:**

V-Blocker is a universal blocking reagent used for reducing nonspecific background staining often observed with immunohistochemistry on an automated staining system. This formulation has been proven to be the most effective blocking reagent for automated IHC systems. It can be used in the conventional manner by applying before the primary antibody; however, using V-Blocker after the primary antibody and before detection has shown to be much more effective, especially when using double stain or multiplex applications. V-Blocker is specifically formulated for superior pH stability and is sodium azide and thimerosal free.

**Known Applications:**

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

**Supplied As:**

Blue liquid buffer reagent with preservative and surfactant

**Materials and Reagents Needed But Not Provided:**

Microscope slides, positively charged  
Positive and negative tissue controls  
Deionized or distilled water  
Pretreatment reagents  
Enzyme digestion  
Primary antibody\*  
Negative control reagents  
Detection kits  
Detection components  
Chromogens  
Hematoxylin  
Bluing Reagent  
Mounting media  
Ancillary Inline User Fillable Dispenser

\* Biocare Medical Product: 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. 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.

**Protocol Recommendations:**

Using *ultraView™* Detection Kit

**NOTE:** V-Blocker must be filled in a registered *Ancillary Inline User Fillable Dispenser* prior to use. V-Blocker must be registered as an "Option" in order to properly use it.

For immunohistochemistry, V-Blocker is recommended to be applied prior to any detection system used as follows:

1. Incubate primary antibody for the specified time.
2. Use the ultraBlock option (with appropriate Option # registered by user) for 4 minutes.
3. Continue with the set protocol as established.

If performing double stain applications:

1. Add the **DS ultraBlock** (with the same Option # as used in step 2).
2. Continue with the set protocol as established.

**Technical Note:**

1. A slight turbidity may be observed. Invert 2-3 times before use.
2. In limited cases, applying V-Blocker before the primary antibody may provide superior blocking when compared to applying before detection systems.

Biocare's VP Echelon™ Series have been developed for use with Ventana® Medical Systems, BenchMark® XT Immunohistochemistry Staining System in combination with Ventana® Detection Kits and Ventana® Prep Kit Dispensers.

**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 is not classified as hazardous. The preservative used in this reagent is Proclin 950 and the concentration is less than 0.5%. Overexposure to Proclin 950 can cause skin and eye irritation and irritation to mucous membranes and upper respiratory tract. The concentration of Proclin 950 in this product does not meet the OSHA criteria for a hazardous substance. 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 vial.
6. The MSDS is available upon request and is located at <http://biocare.net/support/msds/>.
7. Consult OSHA, federal, state or local regulations for disposal of any toxic substances. Proclin™ is a trademark of Rohm and Haas Company, or of its subsidiaries or affiliates.

**Technical Support:**

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

**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.

\*VP Echelon Series antibodies are developed solely by Biocare Medical LLC and do not imply approval or endorsement of Biocare's antibodies by Ventana Medical Systems, Inc. Biocare and Ventana are not affiliated, associated or related in any way. Ventana®, BenchMark®, *iVIEW™* and *ultraView™* are trademarks of Ventana Medical Systems, Inc.