

Val Hematoxylin

Counterstaining Reagent
901-VLT8014-101718



BIOCARE
M E D I C A L

Catalog Number: VLT 8014 G20
Description: 20 mL, Ready-to-use

Intended Use:

For In Vitro Diagnostic Use
Val Hematoxylin is a modified Mayer's Hematoxylin staining reagent intended for visualization of cellular nuclei in tissue sections and cellular preparations on the VALENT® Automated Slide Staining Platform. The clinical interpretation of any staining or its absence should be complemented by morphological studies and proper controls and should be evaluated within the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.

Summary & Explanation:

Biocare's Val Hematoxylin is intended for use in the histologic demonstration of nuclear staining. Hematoxylin solutions mordanted with aluminum are routinely used in the histopathology laboratory for nuclear staining. This staining technique is used to make the critical distinction between a normal nucleus and an abnormal one. Val Hematoxylin is designed for use on Biocare's VALENT Automated Slide Staining Platform.

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Reagents Provided:

Val Hematoxylin (VLT8014G20) 1 x 20 mL

Reconstitution, Dilution and Mixing:

Val Hematoxylin is provided ready-to-use. No reconstitution, dilution or mixing is required.

Materials and Reagents Required But Not Provided:

Reagents and materials, such as primary antibodies, detection kits, chromogens and ancillary reagents are not provided.

Refer to the Biocare Medical website located at <http://biocare.net> for information regarding catalog numbers and ordering information.

Refer to the VALENT Automated Slide Staining Platform User Manual for a complete list of VALENT specific materials and reagents required.

Storage and Stability:

Store at room temperature away from light. The product is stable to the expiration date printed on the label, when stored under these conditions. Do not use after expiration date.

Instructions for Use:

Counterstain:

1. Rinse slides in Aqua Rinse
2. Incubate slides using Val Hematoxylin for 5 minutes.
3. Rinse slides using Aqua Rinse followed by a rinse with Val Wash Buffer

Val Hematoxylin is provided in vials ready for use on the VALENT Automated Slide Staining Platform. Uncap the vial and place in the VALENT reagent tray. The VALENT Automated Slide Stainer will apply reagent as required in the selected protocol.

Refer to the appropriate antibody data sheet for the recommended staining protocol. Refer to the VALENT Automated Slide Staining Platform User Manual for detailed instructions on instrument operation and additional protocol options.

Technical Notes:

1. Do not wash slides with Val Wash Buffer without an Aqua Rinse wash to prevent counterstain background on slide.
2. If sheen is found on surface of Val Hematoxylin, use an 11µm or equivalent filter for optimal staining results.

Limitations:

These reagents have been optimized for use with VALENT antibodies and ancillary reagents. The protocols for a specific application can vary. These include, but are not limited to fixation, heat-retrieval method, incubation times, and tissue section thickness. Third party primary antibodies may be used on the VALENT Automated Slide Staining Platform; however, appropriate antibody concentration may depend upon multiple factors and must be empirically determined by the user. Ultimately, it is the responsibility of the investigator to determine optimal conditions.

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). 2011

Precautions:

1. Refer to reagent Safety Data Sheet for precautions.
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. (1)
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.

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.

References:

1. Clinical and Laboratory Standards Institute (CLSI). Protection of Laboratory Workers from Occupationally Acquired Infections; Approved Guideline-Fourth Edition CLSI document M29-A4 Wayne, PA 2014.