

## Val AR-Lo pH, 5X

Antigen Retrieval Lo pH  
901-VLT8004-112718



**BIOCARE**  
M E D I C A L

**Catalog Number:** VLT 8004 MM

**Description:** 1 L, concentrated

### Intended Use:

For In Vitro Diagnostic Use

Val AR-Lo pH, 5X is a buffered solution intended to be used as a heat induced antigen retrieval of formalin-fixed paraffin-embedded (FFPE) tissues for immunohistochemistry (IHC) procedures 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:

Val AR-Lo pH, 5X is a citrate-based heat retrieval solution specially formulated for superior pH stability at high temperatures and may improve antibody recognition of pH sensitive antigens. Val AR-Lo pH is non-toxic, non-flammable, and sodium azide and thimerosal free. This product has been designed for use on the VALENT Automated Slide Staining Platform.

### Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

### Reagents Provided:

Val AR-Lo pH, 5X (VLT8004MM) 1 x 1 L

### Reconstitution, Dilution and Mixing:

Reagent is provided as a concentrate. See Instructions for Use for proper dilution.

### 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. The product is stable to the expiration date printed on the label, when stored under these conditions. Do not use after expiration date. Diluted reagents should be used promptly; any remaining reagent should be stored at room temperature.

### Instructions for Use:

Val AR-Lo pH, 5X is provided as a concentrate for the VALENT Automated Slide Staining Platform. Place the ready-to-use diluted Val AR-Lo pH in the appropriately labeled VALENT bulk carboy. The VALENT Automated Slide Staining Platform 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.

### 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](http://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.



**IRRITANT**

### 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.