IFU-275_QHD-006
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StatLab Quantum HDx Peroxidase Block

Instructions for Use

Catalog No. QHD-006

Intended Use For In Vitro Diagnostic Use

Product Description: Quantum HD Block is a peroxidase reagent for use in peroxidase based immunohistochemical staining procedures done on paraffin tissue sections to suppress nonspecific staining due to endogenous enzyme activity.

Summary and Explanation Endogenous peroxidase activity has been observed in tissue sections during immunoperoxidase staining. If not properly suppressed, endogenous peroxidase can produce false signal as well as high background during the immunostaining. Treatment of tissue sections with Quantum HD Peroxidase Block prior to application of primary antibody will suppress endogenous peroxidase activity.

Format 1-15 mL vial (50 tests) on StatLab Quantum HDx™ IHC instrument

Storage Light sensitive. Store at 2-8°C in dark bottle and/or area. Do not freeze. Do not use beyond the expiration date stated on the label.

Procedure

1. For paraffin-embedded tissues, deparaffinize using standard histological methods.
2. Perform any required pre-treatment steps (such as antigen retrieval) prior to using Quantum HD Peroxidase Block
3. Incubate deparaffinized tissue sections, frozen tissue sections or cell smears for 5-10 minutes at room temperature prior to applying primary antibody.
4. Rinse tissue with Quantum HD Immuno wash buffer after incubation with Quantum High Def Peroxidase Block and proceed with IHC procedure as per SOP.

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

Troubleshooting Contact StatLab Medical Products Technical Support at 800-442-3573, option 5 or email, ihctech@statlab.com to report any unusual results.

Warranty There are no warranties, expressed or implied, which extend beyond this description. StatLab Medical Products 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 StatLab 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 tools and pertinent clinical data by a qualified pathologist.

Precautions:

1. This product contains Sodium Azide (NaN3). At product concentrations Sodium Azide has not been categorized as hazardous. Sodium Azide may react with lead or copper plumbing form potentially explosive metal azides. Upon disposal flush with large amounts of water to prevent build-up of metal azides in plumbing.
2. Wear disposable gloves when handling reagents.
3. Specimens, before and after fixation, and all materials exposed to them should handled as if capable of transmitting infection and disposed with proper precautions.[1]
4. 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.
5. Microbial contamination of reagents may result in an increase in nonspecific staining.
6. Incubation times or temperatures other than those specified may give erroneous

results. The user must validate any such change.

7. Do not use reagent after the expiration date printed on the label.
6. Safety Data Sheet (SDS) is available upon request.
7. Consult OSHA, federal, state or local regulations for disposal of any toxic substances

References:

1. Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories. MMWR Supplements 61(01):1-101, 2012