

StatLab Quantum HDx DAB Enhancer

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Intended Use

For In Vitro Diagnostic Use.

Format

Ready to Use

Summary and Explanation

Quantum HD DAB Enhancer is a ready to use solution that intensifies the 3,3'-diaminobenzidine (DAB) staining of formalin-fixed, paraffin embedded tissue when used with the StatLab Quantum HDx IHC slide stainer or when manually used with the StatLab Quantum HDx HRP detection kits.

Principles of the Procedure

DAB is a chromogen used for IHC/ISH staining. In the presence of peroxidase enzyme, DAB produces a brown precipitate, at the epitope site, that is insoluble in alcohol. The StatLab Quantum HDx DAB Enhancer precipitates as a copper salt at the reaction site producing a darker brown staining deposit.

Reagents Provided

QHD-008 DAB Enhancer	15 mL
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Materials required but not provided

Some of the reagents and materials for IHC are not provided. Pretreatment reagents, detection systems, control reagents and other ancillary reagents are available from StatLab Medical Products. Please refer to the StatLab Medical Products website at www.statlab.com

Storage and Handling

Store refrigerated at 2°-8°C. Do not freeze. Do not use after expiration date printed on label.

If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user.

Staining Procedure

DAB Enhancer is applied after the DAB Chromogen reaction has been completed.

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 ihctech@statlab.com to report unusual staining.

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 Medical 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

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.¹
3. 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.
4. Microbial contamination of reagents may result in an increase in nonspecific staining.
5. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change.
6. Do not use reagent after the expiration date printed on the label.
7. The SDS is available upon request.
8. Consult OSHA, federal, state or local regulations for disposal of any toxic substances.

References:

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

