

## Ultra High Def™ Mountant

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### Intended Use

For In Vitro Diagnostic Use.

### Product Description

Ultra High Def™ is an aqueous mounting medium with very high refractive index. When applied to the stained tissue sections, specimens can be permanently mounted without chromogens fading. Due to the superior refractive index of Ultra High Def™ Mountant, tissues mounted in this medium look like dehydrated specimens. No Cover slipping is required. However, if cover slipping is desired, dried Ultra High Def™ Mountant can be post-mounted by using an organic based mounting medium. Advantages of Ultra High Def™ Mountant are numerous: no coverslip, no exposure to the organic fumes, and permanent storage of slides and high resolution of tissue specimens. Ultra High Def™ Mountant is compatible with chromogens like AEC, DAB, Fast Red, BCIP/NBT, BCIP/INT and fluorescent dyes like FITC and phycobiliproteins. The high pH ensures increased stability of fluorescence.

### Summary and Explanation

This product is specifically designed for permanent mounting of tissue specimens stained with peroxidase and alkaline phosphatase-based systems and various fluorescent dyes.

### Format

Clear viscous ready to use mounting medium

### Volume/UOM

30 mL and 200 mL

### Storage and Handling

Store at room temperature. This product contains sodium azide as a preservative. Do not use after expiration date printed on label.

### Preparation of Working Solutions

1. Ultra High Def™ Mountant is ready to use and does not require any preparation.

### Protocol Recommendations

1. Mounting Procedure: Remove red tip from the bottle and cut the tip off with a sharp razor or scissors. This will help achieve a smooth flow of Ultra High Def™ Mountant and prevent formation of tiny bubbles.
2. Place the bottle upside down in a container before use. This will also help clear bubbles.
3. Blot excess water from the slide without letting the tissue specimens dry. Make sure tissue is wet prior to mounting.
4. Apply 2-3 drops of Ultra High Def™ Mountant on the tissue section. Gently rotate the slide to make a thin line. Make sure the tissue is completely covered.

5. Heating: Place slides in an oven preheated to 70° C. Make sure the oven is completely horizontal (level). Drying time will range from 10-20 minutes depending on the amount of Ultra High Def™ Mountant applied. Take slides out, let them cool, and look at them under the microscope.
6. Non Heating: If heating is not desired for specimens mounted with fluorescent dyes, place a cover slip on the liquid Mountant and let it sit at room temperature for 45 minutes to 1 hour. Allow Mountant to dry.
7. Seal coverslip edges with nail polish for long term storage.
8. Post Mounting: Use of oil lens requires post mounting.
9. Once Mountant is thoroughly dry and hard, apply an organic based mounting media like Acrymount or SubMount.
10. Then apply a coverslip.
11. Ultra High Def™ Mountant has a refractive index very close to organic-based mounting media.
12. Removal of Mountant: Mountant is an aqueous-based mounting medium than can easily be removed by soaking the slides, in deionized water.
13. Place the slide in a beaker full of deionized water on a magnetic stirrer.
14. Leave the slide for few hours or overnight with gentle stirring for complete removal of dry Ultra High Def™

### 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

### Troubleshooting

Contact StatLab Medical Products Technical Support at (800) 442-3573, option 5 or [ihctech@statlab.com](mailto: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. 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 label.
6. The SDS is available upon request.
7. Consult OSHA, federal, state or local regulations for disposal of any toxic substances.