Diagnostic BioSystems

IHC Made Affordable

CC/Mount™

Aqueous Permanent Mounting Medium

Catalog Number: K002-xx

* This data sheet is applicable to all sizes (volume) of product. Actual volume indicated in vial or bottle.

Document #: DS-2023-C
Effective Date: 02/23/2024

Intended Use
For In Vitro Diagnostic Use. CC/Mount is used as an aqueous permanent tissue mounting reagent which when applied to the stained tissue section, specimens can be permanently mounted without the chromogens fading during immunohistochemistry (IHC) procedure of immunostaining. This can be used either on Manual or automated staining platforms in support of immunohistochemistry (IHC) driven in-vitro diagnostic applications.

Product Description
CC/Mount 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 CC/Mount, tissues mounted in this medium look like dehydrated specimens. No coverslipping is required with CC/Mount. However, if coverslipping is desired, dried CC/Mount can be post-mounted by using an organic based mounting medium. Advantages of CC/Mount are numerous: no coverslip, no exposure to the organic fumes, permanent storage of slides and high resolution of tissue specimens. CC/Mount is compatible with chromogens like AEC, DAB, Fast Red, BCIP/NBT, BCIP/INT and fluorescent dyes like FITC and phycobiliproteins. The high Ph of CC/Mount ensures increased stability of fluorescence.

Summary and Explanation
This product is 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 mouting medium

Volume/UOM
30 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. CC/Mount 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 CC/Mount and prevent formation of tiny bubbles.
2. Place the bottle upside down in a container before use. This will also help clear CC/Mount of bubbles.
3. Blot excess water from the slide without letting tissue specimen dry. Make sure tissue is wet prior to mounting.
4. Apply 2-3 drops of CC/Mount on the tissue section. Gently rotate the slide to make a thin. Make sure the tissue is completely covered.
5. Heating: Place slides in an oven preheated at 70°C. Make sure the oven is completely horizontal. Drying time will range from 10-20 minutes depending on the amount of CC/Mount 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 CC/Mount and let it sit at room temperature for 45 minutes to 1 hour. Allow CC/Mount 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 CC/Mount is thoroughly dry and hard, apply an organic-based mounting media like E-Z mount, Protexx, Permount, or Shandon-Mount.
10. Then apply a coverslip.
11. CC/Mount has a refractive index very close to organic-based mounting media.
12. Removal of CC/Mount: CC/Mount is an aqueous-based mounting medium that can easily be removed by soaking the slides in de-ionized water.
13. Place the slide in a beaker full of de-ionized water on a magnetic stirrer.
14. Leave the slide for few hours or overnight with gentle stirring for complete removal of dry CC/Mount.

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 Diagnostic BioSystems Technical Support at (925) 484-3350, extension 2, techsupport@dbiosys.com or your local distributor to report unusual staining results.

Warranty
There are no warranties, expressed or implied, which extend beyond this description. Diagnostic BioSystems 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 Diagnostic BioSystems 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.

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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 MSDS is available upon request.
7. Consult OSHA, federal, state or local regulations for disposal of any toxic substances.

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