

Catalog Number: EM897L

Description: 100 ml, Ready-to-use

Intended Use:

For In Vitro Diagnostic Use

EcoMount is an optically clear, permanent mounting medium intended for use in histology and cytology procedures. 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:

EcoMount is a fast-drying, optically clear, permanent mounting medium. This polymer-based mounting medium does not contain hazardous reagents such as xylene, toluene or benzene as its base solvent. EcoMount is designed especially for the permanent preservation of horseradish peroxidase, alkaline phosphatase and Qdot (quantum dot nanocrystals) immunofluorescent techniques. EcoMount permits long-term storage of slides with chromogens such as Warp Red, Vulcan Fast Red and Ferangi Blue. It can also be used with DAB and other non-soluble chromogens. EcoMount dries quickly and retains excellent refractivity. EcoMount is compatible for use on automatic coverslipping machines.

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Supplied As:

A ready-to-use liquid permanent mounting medium

Materials and Reagents Needed But Not Provided:

Microscope slides, positively charged
Desert Chamber* (Drying oven)
Positive and negative tissue controls
Xylene (Could be replaced with a xylene substitute*)
Ethanol or reagent alcohol
Decloaking Chamber* (Pressure cooker)
Deionized or distilled water
Wash buffer*(TBS/PBS)
Pretreatment reagents*
Enzyme digestion*
Avidin-Biotin Blocking Kit*(Labeled streptavidin kits only)
Peroxidase block*
Protein block*
Primary antibody*
Negative control reagents*
Detection kits*
Detection components*
Chromogens*
Hematoxylin*
Bluing reagent*

* Biocare Medical Products: Refer to a Biocare Medical catalog for further information regarding catalog number and ordering information. Certain reagents listed above are based on specific application and detection system used.

Storage and Stability:

Store at room temperature. Do not use after expiration date printed on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user.

Protocol Recommendations:

Directions for use:

1. After the IHC staining procedure, dehydrate and clear slides; or air-dry slides. Use EcoMount as you would any permanent mounting medium.
2. Place all slides to be mounted on a horizontal surface and apply 1-2 drops of EcoMount over tissue sections and coverslip.
3. Drying time will vary depending on room temperature. To accelerate drying time, dry slides at 60°C to 70°C for 20-30 minutes.

Removal of polymerized EcoMount:

1. To remove a coverslip, soak slide in xylene until coverslip detaches. EcoMount viscosity may be reduced by adding a small amount of D-limonene.
2. Check slide to see if the coverslip has been removed. Repeat step number 1, if necessary.

Protocol Notes:

1. Slides can be dipped in xylene and/or air dried and coverslipped with EcoMount mounting media.
2. EcoMount is compatible with tissues slides stained with fluorescent Qdots.
3. DO NOT USE EcoMount with conventional fluorescent dyes such as FITC, TRITC, Texas Red and Alexa Fluors.
4. Keep tightly sealed.
5. Picric acid stains may bleed or fade.

Limitations:

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 Biocare products. Ultimately, it is the responsibility of the investigator to determine optimal conditions. The clinical interpretation of any positive or negative staining should be evaluated within the context of clinical presentation, morphology and other histopathological criteria by a qualified pathologist. The clinical interpretation of any positive or negative staining should be complemented by morphological studies using proper positive and negative internal and external controls as well as other diagnostic tests.

Quality Control:


Refer to CLSI Quality Standards for Design and Interpretation of Immunohistochemistry Assays; Approved Guideline-Second edition (I/LA28-A2) CLSI Wayne, PA, USA (www.clsi.org). 2011

Precautions:

1. 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.
2. Microbial contamination of reagents may result in an increase in nonspecific staining.
3. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change.
4. Do not use reagent after the expiration date printed on the vial.

Precautions Cont'd:

5. The SDS is available upon request and is located at <http://biocare.net>.
 6. Consult OSHA, federal, state or local regulations for disposal of any toxic substances.

Hazard	Code	Hazard Statement
	H226	Flammable liquid and vapor
	H304	May be fatal if swallowed and enters airways
	H315	Causes skin irritation
	H317	May cause an allergic skin reaction
	H400	Very toxic to aquatic life
	H410	Very toxic to aquatic life with long lasting effects

Technical Support:

Contact Biocare's Technical Support at 1-800-542-2002 for questions regarding this product.