Aqua-Poly/Mount Coverslipping Medium

INTRODUCTION
Aqua-Poly/Mount is a non-permanent aqueous mounting medium formulated for coverslipping directly from aqueous solutions. It is non-fluorescing and has an antifade component to increase the viewing time of the specimen. Use Aqua-Poly/Mount with most fluorescent dyes and stains including DAB, Alkaline Phosphatase Fast Red, AEC (aminoethylcarbazole) and a variety of other chromogens to enhance and retain fluorescent intensity.

Aqua-Poly/Mount can be used for frozen sections, fat stains, chromogens for immunohistochemistry and in situ hybridization as well as other applications requiring a water soluble mounting medium. Using Aqua-Poly/Mount, the coverslip will dry in 24 to 48 hours depending on the amount of medium used. Aqua-Poly/Mount solidifies under coverslip on the microscope slide after 24 hours with the following laboratory conditions and ambient temperature; relative humidity in winter time at greater than 20% and relative humidity in the summer time of up to 50%. Painting the edges of the coverslip is unnecessary. When the medium dries it will form a seal.

PROCEDURE
Prepare slides as required. Prior to coverslipping rinse the slides in distilled or deionized water. The excess fluid can be drained, but blotting is not recommended. Aqua-Poly/Mount is supplied in convenient 20ml dropper bottles for manual staining and in larger volumes for automated coverslippers.

Apply two drops of Aqua-Poly/Mount to the slide at the end or over the tissue. Carefully lower the coverslip at an angle while gently applying pressure to force any excess medium and air bubbles away from the tissue and out from under the coverslip. It is helpful to draw the coverslip to the edge of the coverslipping medium and then lower it slowly while applying pressure. Gently tilt the slide to remove any medium at the edges of the slide and coverslip. The slide can be viewed immediately or after drying. Slides can be dried at room temperature or at 4°C. Drying at 4°C will increase drying times. Do not heat the slides as this can damage or fade some stains or reactions. Slides containing fluorescent chromogens should be stored in the dark.

Aqua-Poly/Mount can be used on automated coverslippers in place of traditional solvent based coverslipping medium. The viscosity of the medium may require adjusting for proper flow rates. Allow the liquid to come to room temperature before making any adjustments for flow rate as the viscosity will change. The amount of medium dispensed will effect the drying time. Thicker sections will require more coverage with medium to assure the coverslip remains in place against the slide surface.

ORDERING INFORMATION

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<td>18606-20</td>
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<td>20ml</td>
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<tr>
<td>18606-500</td>
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<td>500ml</td>
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ADDITIONAL RELATED PRODUCTS

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<td>16864</td>
<td>Poly/LEM Fixative</td>
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<td>24216</td>
<td>Tissue Tack Microscope Slides</td>
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<tr>
<td>22247</td>
<td>Poly-L-Lysine Coated Microscope Slides</td>
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Coverslipping & Mounting Medium

AQUA-POLY/MOUNT (Cat. #18608)
Aqua-Poly/Mount is a water soluble, non-fluorescing mounting medium formulated for mounting sections from aqueous solutions. Use for frozen sections and special procedures that will not tolerate alcohols or solvents. Aqua-Poly/Mount is the mountant of choice for immunofluorescent techniques as it enhances and retains fluorescent stains. Coverslip directly from water or buffer using standard methods. Coverslips can be easily removed by soaking in water. Aqua-Poly/Mount solidifies under coverslip on the microscope slide after 24 hours with the following laboratory conditions and ambient temperature; relative humidity in winter time at greater than 20% and relative humidity in the summer time of up to 50%. Refractive index is 1.454-1.460. Viscosity: 390 CPS

POLY-MOUNT (Cat. #08381)
Poly-Mount is a toluene based routine coverslipping medium for histology and cytology slides. This acrylic medium provides superior optical clarity with a refractive index of 1.48. It is non-water soluble. It is miscible with toluene and xylene. Poly-Mount contains an anti-fade agent to prevent fading and yellowing with long term storage. The medium dries quickly for viewing, storage, and filing. Viscosity: 192 CPS

POLY-MOUNT XYLENE (Cat. #24176)
Poly-Mount Xylene is a xylene based routine coverslipping medium for histology and cytology slides. This acrylic medium provides superior optical clarity and has a refractive index of 1.48. Poly-Mount Xylene is recommended for automated coverslipping instruments that use both glass and tape coverslips. It contains an anti-fade agent to prevent fading and yellowing with long term storage. The medium dries quickly for viewing, storage, and filing. Viscosity: 107 CPS

CITRAMOUNT MEDIUM (Cat. #24214)
CitraMount Medium enables coverslipping directly from d-limonene based clearants. The butyl-acetate and acrylic formula dries hard and clear overnight. The formula works well with xylene for coverslipping. It is not recommended for use with non-aliphatic hydrocarbon clearants. The refractive index is 1.42. Viscosity: 90 CPS

PLASTIC UV MOUNT MOUNTING MEDIA (Cat. #16866)
This medium is designed for coverslipping epoxy, methacrylate, and deparaffinized sections directly from water or alcohol. Plastic UV Mount matches the refractive index of JB-4 embedded sections, since the JB-4 embedding resin is not removed prior to staining. Methacrylate based Plastic UV Mount avoids optical distortion and improves the final image. When applied to sections with a small amount of xylene, Plastic UV Mount “harden” permanently within 2 minutes with exposure to long UV light supplied from a UV Polymerization Lamp, thus obviating leaching of stains. Slides must be coverslipped for viewing. The refractive index is 1.45. Viscosity: 28 CPS

POLYGLASS (Cat. #22253)
PolyGlass is a liquid acrylic resin that spreads thinly and evenly forming a permanent scratch resistant layer, replacing a coverslip. It has a refractive index near 1.48 and can be removed if necessary by soaking in toluene or xylene. Ideal for uneven thick sections that cause air bubbles under a coverslip with routine procedures. Viscosity: 149 CPS

CMCP MACROINVERTEBRATE MEDIA
CMPC-9 Low Viscosity (Cat. #16299), CMPC-10 High Viscosity (Cat. #16300)
This medium is useful for mounting free living nematodes and live parasitic worms. CMCP is a colorless, non-resinous, water miscible mounting medium for permanent transparent mounts. CMCP medium allows live or preserved specimens to be mounted directly from water or alcohol. It has a refractive index of 1.41 and comes in high and low viscosity formulas.

ORDERING INFORMATION
Cat.# Description Size
18606-20 Aqua-Poly/Mount 20ml
18606-100 100ml
18606-5 5x20ml

ADDITIONAL PRODUCTS
Cat # Description
08381 Poly-Mount
24176 Poly-Mount Xylene
24214 CitraMount Medium
16866 Plastic UV Mount Mounting Media
22253 PolyGlass
16299 CMCP-9 Macroinvertebrate Mounting Media, Low Viscosity
16300 CMCP-10 Macroinvertebrate Mounting Media, High Viscosity

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