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PolyFreeze (Frozen Mounting Medium)

PolyFreeze is a support matrix or form of embedding medium for frozen sectioning. This medium freezes quickly supporting the tissue for sectioning at 3 μ and up with no cracking of the matrix at temperatures from -8°C to -25°C. Snap freeze using PolyFreeze with isopentane and liquid nitrogen, dry ice (slush/slurry or bunker), and in cryostat. Store specimens frozen in PolyFreeze in liquid nitrogen canisters or in airtight containers in a -80°C freezer. PolyFreeze does not cause autofluorescence and can easily be washed away during fixation when rinsed prior to staining. Once rinsed off the slide, there is no trace of the support matrix to interfere with staining or immunohistochemistry (IHC) reactions. **A cloudy appearance of the unfrozen product has no effect on performance.**

Standard frozen sections for clinical diagnosis at 3 μ to 6 μ are easy to obtain and mount on glass slides for drying and/or fixation prior to staining. Thicker sections can be taken as required for research projects. Sections will flow freely under an anti-roll device allowing flat sections for pick up from the knife-edge. Sections can be fixed immediately in the fixative of choice or air dried for later fixation and staining. Drying or fixing the slides in the cryostat for specific procedures will not effect the PolyFreeze Medium.

Apply PolyFreeze by adding a small amount to a chuck or specimen holder in the cryostat. Orient the specimen with the specimen face or primary side to be sectioned up. The amount of PolyFreeze used is dependent on the specimen size and tissue support required by the medium. For most clinical work, place the chuck on the quick freeze bar or as required by the laboratory procedure. The time required to freeze a specimen will depend on the amount of medium used and thickness of the specimen. Faster freezing will result in fewer ice crystals and less problems with the tissue after staining.

Use Peel-A-Way® Molds to assist in the orientation of specimens by adding a small amount of PolyFreeze in the bottom of the mold. Allow the material to begin freezing or stiffening slightly, then add the tissue with the primary side facing the bottom of the mold. Since the molds are transparent, the specimen can be easily viewed by holding the mold up to check the position. Add more PolyFreeze to the top of the specimen. Freeze either on the quick-freeze stage of your cryostat, in dry ice, isopentane and liquid nitrogen, or as required. Add an adequate amount of PolyFreeze to protect the specimen from defrosting when it is mounted to the cryostat chuck. Simply "Peel-A-Way" the mold and place the finished block on a chuck in the cryostat with a small amount of PolyFreeze. Allow the block to freeze and attach to the chuck. This will allow the best positioning of the specimen and a flat surface to cut from with less section loss.

Peel-A-Way Molds are large enough to write the patient or research information on the side of the mold. To easily identify the blocks, place an Identification Tab (Cat. #19800A-1) in the PolyFreeze Medium along the side of the mold. The combination of using PolyFreeze with Peel-A-Way Molds can make freezing and storage of large specimens or research material faster and easier.

TO ORDER

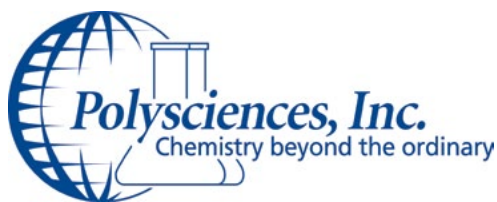
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Order online anytime at www.polysciences.com



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ORDERING INFORMATION

CAT. #	DESCRIPTION	SIZE
19636-1	PolyFreeze (Frozen Mounting Medium)	6 x 120ml/case
25112-1	PolyFreeze (Tissue Freezing Medium) - Five Color Kit	1 kit
25113-1	PolyFreeze (Tissue Freezing Medium) - Green	1 case (6 x 4 oz.)
25113-4		4oz
25114-1	PolyFreeze (Tissue Freezing Medium) - Yellow	1 case (6 x 4 oz.)
25114-4		4oz
25115-1	PolyFreeze (Tissue Freezing Medium) - Red	1 case (6 x 4 oz.)
25115-4		4oz
25116-1	PolyFreeze (Tissue Freezing Medium) - Blue	1 case (6 x 4 oz.)
25116-4		4oz
19800A-1	Identification Tabs	8000 tabs/book
18646A-1	Peel-A-Way Molds 22mm x 22mm x 22mm Deep Square S22	288 per case
18646B-1	Peel-A-Way Molds 22mm x 30mm x 22mm Deep Rectangular R30	288 per case
18646C-1	Peel-A-Way Molds 22mm x 40mm x 22mm Deep Rectangular R40	264 per case
18985-1	Peel-A-Way Molds, Truncated T-8 22mm x 22mm Square Truncated to 8mm x 8mm x 22mm Deep	288 per case
18986-1	Peel-A-Way Mold, Truncated T-12 22mm x 22mm Square Truncated to 12mm x 12mm x 22mm Deep	288 per case
18646D-1	Peel-A-Way Mold Sampler Package (contains all sizes mentioned above)	1 pkg
24216-1	Tissue Tack Slides (Silane Coated)	1/2 gross/Box
22247-1	Poly-L-Lysine Coated Slides	1/2 gross/Box
18606-20	Aqua-Poly/Mount Coverslipping Media Non-Permanent Aqueous	20ml/Bottle
18606-1	Aqua-Poly/Mount Coverslipping Media Non-Permanent Aqueous	1 Liter
09860-1	Alcohol Reagent (100%) Histology Grade	1 gallon
08389-1	Xylene, Histology Grade	1 gallon

Should any of our materials fail to perform to our specifications, we will be pleased to provide replacements or return the purchase price. We solicit your inquiries concerning all needs for life sciences work. The information given in this bulletin is to the best of our knowledge accurate, but no warranty is expressed or implied. It is the user's responsibility to determine the suitability for their own use of the products described herein, and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as a recommendation to use any product or to practice any process in violation of any law or any government regulation.