

Instructions For Use
PMT-IFU

Rev. Date: 10/29/03

Revision: 2

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Permanent Mounting Medium (Aqueous)

Description: This product is designed for permanent mounting of tissue specimens stained with peroxidase and alkaline phosphatase based systems as well as with various fluorescent dyes. AEC and Fast Red are the most commonly used chromogens for peroxidase and alkaline phosphatase based immunostaining systems respectively. However, slides stained with these chromogens cannot be stored permanently. Permanent Mounting Medium (Aqueous) has been designed to overcome this limitation. This product is an aqueous mounting medium with a very high refractive index, which when applied to the stained tissue sections can store the tissue specimens permanently without fading of the chromogens. Because of the superior refractive index, tissues mounted in this medium look like dehydrated specimens. No coverslipping is required. However, if coverslipping is desired, dry slides can be post mounted using an organic based mounting medium. Advantages of this product include: no coverslip, no exposure to the organic fumes, permanent storage of slides and high resolution of tissue specimens. This reagent is compatible with AEC, DAB, Fast Red, BCIP/NBT, BCIP/INT and fluorescent dyes like FITC and phycobiliproteins. High pH ensures increased stability of fluorescence.

Storage: Store at room temperature. Do not refrigerate.

Procedure:

1. Place the bottle upside down in a container before using. This will help avoid formation of bubbles.
2. Blot excess water from the glass without letting tissue specimens become dry. Make certain that tissue is wet prior to mounting.
3. Apply 2-3 drops directly on tissue sections. Gently rotate glass slide to make a thin layer of medium. Make certain that tissue is completely covered.
4. Do not apply coverslip. Place slides in an oven preheated to 70°C. Make sure that the oven is completely horizontal. Drying time will range from 10-20 min depending on amount applied.
5. Take slides out and allow to cool.
6. For specimens mounted with fluorescent dyes, if heating is not desired, place a cover slip on the liquid mounting reagent and allow to sit at room temperature for 45 min to 1 hour. Seal edges the coverslip with nail polish for long term storage.

Post Mounting: Use of oil lens will require post mounting. Once mounting medium is thoroughly dry, apply organic based mounting media and then apply a coverslip. This reagent has a refractive index very close to organic based mounting media.

Removal:

This reagent can easily be removed by soaking slides in deionized water. Place slides in a beaker filled with deionized water on a magnetic stir plate. Leave slide in water overnight with gentle stirring for complete removal.