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TECHNICAL DATA SHEET 303

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Poly/LEM Fixative, Methanol Free

Background

This fixative was originally formulated by Freida Carson^{1,2} and is also known as Carson's Modified Millonig Phosphate Buffered Formalin. Polysciences has upgraded the formula by making it methanol free. This fixative provides excellent and consistent ultrastructure preservation.

No longer is it necessary for the electron microscopist to prepare his own methanol free formaldehyde fixative since the formaldehyde used in this formulation contains no methanol inhibitor.

Poly/LEM eliminates any pre-fixation selection of tissue samples in the busy histopathology laboratory. Tissue routinely preserved with this histology grade fixative for LM can also be used to examine fine structure with EM.

Poly/LEM should be stored at room temperature, thus obviating the need for bulky refrigerator storage. Do not refrigerate or permit solution to freeze as component separation may occur.

Handling Precautions

DANGER! Contains formaldehyde. Causes eye burns. Harmful if inhaled, absorbed through skin or swallowed. May cause allergic skin reactions. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing vapors. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Wash contaminated clothing.

First Aid

In case of contact, immediately flush eyes and skin with plenty of water for at least 15 minutes. Get medical attention for eye contact.

Waste Disposal

Absorb small spills in paper towels. Absorb large spills with vermiculite. Treat as hazardous waste, observing all local, state and federal guidelines.

Ordering Information

Catalog #

16864 Poly/LEM Fixative, Methanol Free 1 gal 4x1 gal

To Order:

In The U.S. Call: 1-800-523-2575 • 215-343-6484

In The U.S. FAX: 1-800-343-3291 • 215-343-0214

In Germany Call: (49) 6221-765767

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References

- 1). Carson, FL, Am. J. Clin. Pathol., **59**, 365 (1973).
- 2). Carson, FL, Martin, JH., J. Histotechnology, **2**(2), 58-60 (1979).
- 3). Carson, FL, J. Histotechnology - A Self-Instructional Text, ASCP Press, 1997 p. 273.

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