

MALLORY'S VARIANT METHOD FOR WEIGERT'S FIBRIN STAIN
FOR PNEUMOCYSTIS CARINII

PURPOSE:	For In Vitro Diagnostic Use: Intended for the qualitative demonstration of Pneumocystis Carinii.
PRINCIPLE:	Crystal Violet and iodine combine to form a dye complex which binds to the cyst walls of the organism. Excess stain is removed with Aniline leaving the cysts stained blue against a pink background stained by Eosin.
CONTROL:	Tissue known positive for Pneumocystis Carinii <i>Control Slides can be purchased from Histology Control Systems. See inside back cover, Item# cs013.</i>
SPECIMEN PREPARATION:	Formalin fixed, paraffin embedded sections cut at 6 micrometers
SOLUTIONS:	1. Gram's Iodine Item# s204 2. Crystal Violet Stirling Item# s169A 3. Harris Hematoxylin Item# s212 4. Eosin Y 5% Aqueous Item# s2089 5. Cellosolve Item# s163D <i>Solutions can be purchased separately from Poly Scientific.</i>
NOTES:	
REFERENCE:	Lillie, R. D. <u>Histopathologic Technic and Practical Histochemistry</u> . 3rd Ed. McGraw-Hill Book Co. New York. 1965. p. 569.

STAINING PROCEDURE:

1. Deparaffinize and hydrate sections to distilled water.
2. Stain for 3-5 minutes in Harris Hematoxylin.
3. Wash in water for 5 minutes.
4. Stain for 15 minutes at 57°C in Eosin Y 5% Aqueous.
5. Wash in distilled water for 5 minutes.
6. Stain in Crystal Violet Stirling for 10 minutes.
7. Wash in distilled water.
8. Treat with Gram's Iodine for 1 minute.
9. Wash in water and blot dry with filter paper or bibulous paper.
10. Differentiate with several changes of Cellosolve until no more color is removed.
11. Clear in 4 changes of Xylene.
12. Mount with Poly Mount (Item# s2153) or any other acceptable mounting medium.

RESULTS:

Pneumocystis Carinii..... Blue

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