REAGENT ASSEMBLY KIT
ITEM# k038

MAY GRUNWALD GIEMSA STAIN METHOD FOR NUCLEAR ELEMENTS

PURPOSE:	For In Vitro Diagnostic Use: Intended for the qualitative demonstration of fungi and Pneumocystis Carinii in tissue.
PRINCIPLE:	The Giemsa and Jenner stains are a combination of acidic and basic dyes. Differential staining is attributed to relative charge of cells, dye size and the pH of the solutions.
CONTROL:	Normal bone marrow *Control Slides can be purchased from Histology Control Systems. See inside back cover, Item# cs020.*
SPECIMEN PREPARATION:	Formalin fixed, paraffin embedded sections cut at 6 micrometers
SOLUTIONS:	1. Jenner Stain Working Solution Item# s225 2. Giemsa Stain Stock Solution Item# s195 Giemsa Working Solution: Prepare fresh, do not reuse. Stock Giemsa Solution.....50 drops Distilled Water .....50 mL 3. Acetic Acid 1% Aqueous Item# s100 *Solutions can be purchased separately from Poly Scientific.*
NOTES:	
REFERENCE:	Luna, Lee G. Manual of Histologic Staining Methods of the Armed Forces Institute of Pathology. 3rd Ed. McGraw-Hill Book Co. New York. 1968. pp 121-122.

STAINING PROCEDURE:

1. Deparaffinize and hydrate to distilled water.
2. Jenners Stain Working Solution for 10 minutes.
3. Directly to Giemsa Working Solution for 1 hour.
4. Rinse quickly in distilled water.
5. 2 dips in Acetic Acid 1% Aqueous.
6. Quickly rinse in running water.
7. Alcohol 95%, 2 changes.
8. Alcohol 100%, 2 changes.
9. Xylene, 2 changes.
10. Mount with Poly Mount (Item# s2153) or any other acceptable mounting medium.

RESULTS:

Nuclei..... Blue

Cytoplasm ..... Pink to Rose

Bacteria..... Blue