

MODIFIED ONE HOUR GIEMSA METHOD

PURPOSE:	For In Vitro Diagnostic Use: Intended for the qualitative demonstration of mast cells and general tissue morphology.
PRINCIPLE:	The Giemsa stain is a combination of acid and basic dyes. Differential staining is attributed to relative charge of cells, dye size and the pH of the solutions.
CONTROL:	Skin, mast cell tumor Control Slides can be purchased from Histology Control Systems. See inside back cover, Item# cs030.
SPECIMEN PREPARATION:	Formalin fixed, paraffin embedded sections cut at 3-5 micrometers
SOLUTIONS:	1. Giemsa Stain Stock Solution for One Hour Giemsa Kit Item# s2300 2. Acetic Water Solution Item# s2299 <u>Giemsa Working Solution:</u> Giemsa Stock Solution.....10 mL Acetic Water Solution.....50 mL Solutions can be purchased separately from Poly Scientific.
NOTES:	
REFERENCE:	Luna, Lee G. <u>Histopathologic Methods and Color Atlas of Special Stains and Tissue Artifacts</u> . American Histolabs Inc. Gaithersburg, MD. 1992. p. 220.

STAINING PROCEDURE:

1. Deparaffinize and hydrate to distilled water.
2. Stain in Working Giemsa Solution for 1 hour.
3. Dehydrate in Absolute Alcohol, 3 changes.
4. Clear in Xylene, 3 changes.
5. Mount with Poly Mount (Item# s2153) or any other acceptable mounting medium.

RESULTS:

Nuclei	Blue
Erythrocytes	Red
Mast Cell Granules	Purple
Cytoplasm	Pink

Poly Scientific R&D Corp.

Revision: B-18

PAGE 71

