



# Eosinophil-Mast Cell Stain Kit

**Description:** The Eosinophil-Mast Cell Stain Kit is intended for simultaneous visualization of eosinophils and mast cells.

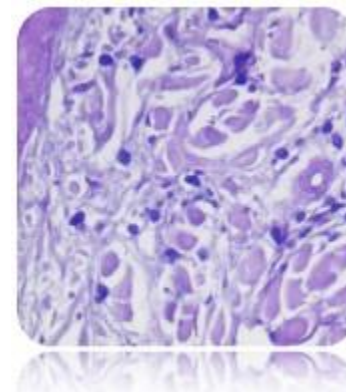
Mast Cells:	Bright Blue
Eosinophils:	Red
Nuclei:	Blue

**Uses/Limitations:** Not to be taken internally.  
For In-Vitro Diagnostic use only.  
Histological applications.  
Do not use past expiration date.  
Use caution when handling reagents.  
Non-Sterile.

**Control Tissue:** Any well fixed section cut 3-5 microns or any air dried smear on clean slide.

**Availability/Contents:**

<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
Astra Blue Solution	125 ml	18-25°C
Vital New Red Solution	125 ml	18-25°C
Hematoxylin, Mayer's (Lillie's Mod.)	125 ml	18-25°C



**Precautions:** Avoid contact with skin and eyes.  
Harmful if swallowed.  
Follow all Federal, State, and local regulations regarding disposal.  
Use in chemical fume hood whenever possible.

**Procedure (Standard):**


1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Stain tissue section with Astra Blue Solution for 30 minutes with frequent agitation.
3. Rinse quickly in 2 changes of distilled water.
4. Stain tissue section with Vital New Red Solution for 30 minutes with frequent agitation.
5. Rinse quickly in 2 changes of distilled water.
6. Counterstain in Hematoxylin, Mayer's (Lillie's Modification) for 15-30 seconds.
7. Rinse slide in running tap water for 2 minutes followed by one dip in distilled water.
8. Dehydrate quickly through 3 changes of absolute alcohol.
9. Clear, and mount in synthetic resin.

Storage: 18° C  25° C



**References:**

1. Kermanizadeh, P., et al. A differential staining method for mast cells and eosinophils in murine intestine, liver and spleen. *Parasitology Today*, 1995, May; 11(5): pages 194-196.
2. Ball, M.T., Hay, J.: Simultaneous Demonstration of Eosinophils, Granulocytes, and Mast Cell in Tissue Sections. *Annals of Tropical Medicine and Parasitology.*, 84: pages 195-196, 1990.
3. Strobel, S., et al. Human intestinal mucosal mast cells: evaluation of fixation and staining techniques. *Journal of Clinical Pathology*, 1981; 34: pages 851-858.

Storage: 18° C  25° C

