



## Instructions For Use CEM-2-IFU

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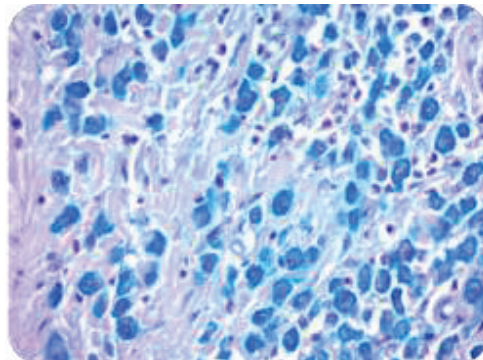
# Eosinophil-Mast Cell Stain Kit

**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>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
AST030	Astra Blue Solution	30 ml	18-25°C
VRN030	Vital New Red Solution	30 ml	18-25°C
HMM030	Hematoxylin, Mayer's (Lillie's Mod.)	30 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 5-6 drops of Astra Blue Solution for 1-3 minutes.*
3. *Rinse quickly in 2 changes of distilled water.*
4. *Stain tissue section with 5-6 drops of Vital New Red Solution for 30 minutes with frequent agitation.*
5. *Rinse quickly in 2 changes of distilled water.*
6. *Counterstain with 5-6 drops of 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




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### 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.

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