

## Eosinophil-Mast Cell Stain Kit

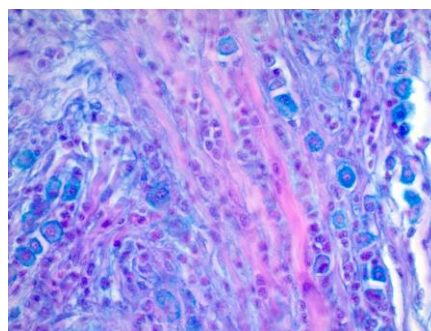
**Description:** The Eosinophil-Mast Cell Stain Kit is intended for simultaneous visualization of eosinophils and mast cells.

**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.

**Results:**

Mast Cells:	Bright Blue
Eosinophils:	Red
Nuclei:	Blue



### Kit Contents:

<u>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
SSC-AST125	Astra Blue Solution	125 ml	18-25°C
SSC-VRN125	Vital New Red Solution	125 ml	18-25°C
SSC-HMM125	Hematoxylin, Mayer's (Lillie's Mod.)	125 ml	18-25°C

**For information regarding ordering individual components, please contact us at: 800-442-3573.**

**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 1-3 minutes.
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.



**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.



Lot-to-Lot Validation Form  
Eosinophil-Mast Cell Stain Kit Catalog: SSK-MAST

Kit Lot Number: \_\_\_\_\_  
Kit Expiration Date: \_\_\_\_\_  
Date Tested: \_\_\_\_\_  
Control Tissue (#) \_\_\_\_\_  
Approved for Use: Y/N \_\_\_\_\_  
Date put into use: \_\_\_\_\_

If not approved, corrective actions taken:	_____
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Approved by: \_\_\_\_\_

<b>Kit Component</b>	<b>Lot #</b>
Astra Blue Solution	_____
Vital New Red Solution	_____
Hematoxylin, Mayer's	_____

<b>Replacement Component if used</b>	<b>Replacement Date</b>	<b>Lot #</b>	<b>Accepted Y/N</b>	<b>Comments</b>
Astra Blue Solution				
Vital New Red Solution				
Hematoxylin, Mayer's				
Approved by: _____				

StatLab is providing this form to assist with reagent lot validation as stated in CLIA'88 Standard 493.1256-For reagent(s), the laboratory must do the following: Check each batch (prepared in-house), lot number (commercially prepared) and shipment of reagents, stains, and identification systems (systems using two or more substrates or two or more reagents, or a combination) when prepared or opened for positive and negative reactivity, if applicable.