

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 <i>in vitro</i> 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			
Kit Contents	Catalog	Product	Volume	Temperature
	HAST125	Astra Blue Solution	125 ml	18-25°C
	HPXQ125	Vital New Red Solution	125 ml	18-25°C
	HHMM125	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)	<ol style="list-style-type: none">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.			
References	<ol style="list-style-type: none">1. Kermanizadeh, P., et al. A differential staining method for mast cells and eosinophils in murine intestine, liver and spleen. <i>Parasitology Today</i>, 1995,			

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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.