

ScyTek  
Laboratories

Instructions For Use  
EPN-IFU

Rev. Date: Jan. 3, 2008

Revision: 1

Page 1 of 2

P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Fax (435) 755-0015 - [www.scytek.com](http://www.scytek.com)

## Eosin-Phloxine Solution

**Description:** Eosin-Phloxine Solution is intended for use in the histological demonstration of cytoplasm. The addition of Phloxine to Eosin results in more vibrant staining than with Eosin alone. When used correctly, Eosin-Phloxine various shades of pink can be obtained to aid in visualization of tissue components.

Cytoplasm:	Pink to Red
Erythrocytes:	Pink to Red
Alcoholic Hyalin:	Pink

**Uses/Limitations:** For In-Vitro Diagnostic use only.  
Histological applications.  
Do not use past expiration date.  
Use caution when handling these reagents.

**Control Tissue:** Any well-fixed tissue.

**Availability/Contents:**

<u>Item #</u>	<u>Volume</u>
EPN500	500 ml
EPN999	1000 ml
EPN-10000	10 liters
EPN-20000	20 liters

**Precautions:** Flammable.  
Keep away from sources of ignition.  
Avoid contact with skin and eyes.  
Harmful if swallowed.  
Harmful by inhalation.  
Follow all Federal, State, and local regulations regarding disposal.  
Use in chemical fume hood whenever possible.

Storage: 18° C



25° C



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### Procedure (Standard):

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Stain slide with Hematoxylin (Catalog# HMM500) for 5 minutes.
3. Rinse slide in tap water for 2 minutes.
4. Incubate slide in Bluing Reagent (Catalog# BRT500) for 30 seconds.
5. Rinse slide in distilled water.
6. Dip slide in 95% alcohol for 30 seconds.
7. Stain slide with Eosin-Phloxine Solution for 30-60 seconds.
8. Dehydrate through graded alcohols.
9. Clear, and mount in synthetic resin.

### References:

1. Luna, L.G., Manual of Histologic Staining Methods of the Armed Forces Institute of Pathology, 3<sup>rd</sup> Edition, McGraw-Hill, New York, Pages 34-35, 1968.
2. Lillie, R.D., H.J. Conn's Biological Stains, 9<sup>th</sup> Edition. Williams & Wilkins, Baltimore. Page 342, 1977.
3. Sheenan, D.C., Hrapchak, B.B. Theory and Practice of Histotechnology, 2<sup>nd</sup> Edition. Battelle Press, Columbus, OH. Page 217. 1980

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