

Eosin-Phloxine Solution

Description and Principle

Eosin-Phloxine Solution is intended as a general counterstain to hematoxylin – giving various shades of pink to non-nuclear tissue. The addition of Phloxine to Eosin is said to result in more vibrant staining than with Eosin alone.

Expected Results

Cytoplasm:	Pink
Erythrocytes:	Dark Pink
Collagen:	Dark Pink
Muscle:	Pink

Uses/Limitations

For In-Vitro Diagnostic use only.
Do not use if reagents become cloudy or precipitate
Do not use past expiration date.
Use caution when handling reagents.
Non-Sterile

Availability/Contents:

Item #	Volume
EPN500	500 ml
EPN999	1000 ml
EPN-10000	10 liters
EPN-20000	20 liters

Safety and Precautions

Please see current Safety Data Sheets (SDS) for this product and components GHS classification, pictograms, and full hazard/precautionary statements.

Procedure (Standard):

1. Deparaffinize sections and hydrate to distilled water.
2. Stain slide with a Hematoxylin Reagent (ScyTek Cat# HMM500) for 2-5 minutes.
3. Rinse slide in tap water for 2 minutes.
4. Incubate slide in a Bluing Reagent (ScyTek Cat# BRT500) for 30 seconds.
5. Rinse slide in distilled water.
6. Dip slide in 80-95% alcohol for 30 seconds.
7. Stain slide with Eosin-Phloxine Solution for 30-60 seconds.
Stain is strongly alcoholic; we suggest pouring stain into small stain jar and placing slide(s) in jar to prevent evaporation.
8. Rinse and dehydrate section in absolute alcohol.
9. Clear, and mount in synthetic resin.

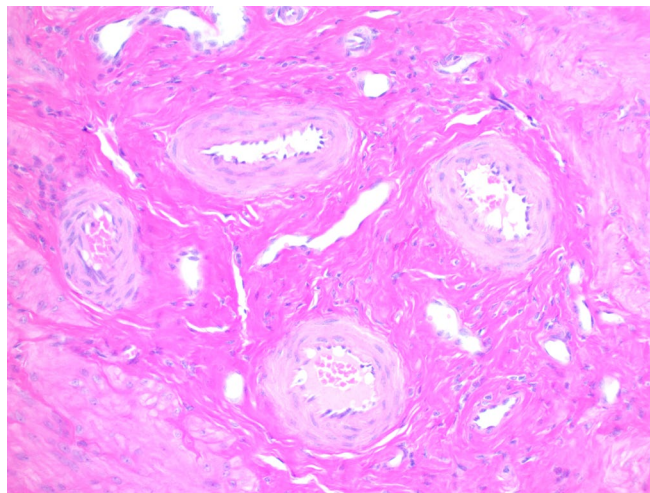


Figure 1. Vessels in Pig Uterus demonstrated with Hematoxylin and Eosin-Phloxine Solution.

Staining Notes:

1. Staining time of Hematoxylin and Eosin-Phloxine may be adjusted to increase or decrease staining intensity.
2. Eosin stains may be removed or differentiated from tissue by placing slide in water-alcohol solutions. E.g., 70% alcohol is a strong differentiating solution for Eosin.

References:

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



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