Eosin Y Solution (Aqueous)

Description

Eosin Y Solution (Aqueous) is intended for use in the histological demonstration of cytoplasm and is commonly used as a counterstain for Hematoxylin. When used correctly, various shades of pink can be obtained to aid in visualization of tissue components. Erythrocytes, collagen, and the cytoplasm of muscle or epithelial cells will stain with different shades of pink.

Cytoplasm	Pink to Red
Erythrocytes	Pink to Red
Nuclei	Black/Blue (Hematoxylin)

Uses/Limitations

For In-Vitro Diagnostic use only.
Histological and Cytological applications. Do not use past expiration date.
Use caution when handling these reagents.

Control Tissue

Any fixed or frozen tissue.
Cell smear.

Storage

Room Temperature (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.
Wear protective clothing.

Procedure (Standard)

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. If sections are Zenker-fixed, remove mercuric chloride crystals using iodine and clear with sodium thiosulfate. Rinse in running tap water.
3. Rinse slide in distilled water.
4. Rinse slide in distilled water.
5. Stain slide in Hematoxylin, Mayer's for 5 minutes.
6. Rinse slide in running tap water for 2-3 minutes.
7. Apply Bluing Reagent for 30 seconds.
8. Rinse in distilled water.
9. Stain slide in Eosin Y Solution for 5 minutes.
10. Rinse quickly in 95% alcohol followed by 2 minutes in absolute alcohol.
11. Clear, and mount in synthetic resin.

References

1. Sheenan, D.C., Hrapchak, B.B. Theory and Practice of Histotechnology, 2nd Edition. CV Mosby, Columbus, OH. Pages 140-141, 1980.
2. Lillie, R.D., Fullmer, H.M. Histopathologic Technique and Practical Hisochemistry, 4th Edition, McGraw-Hill, NY. Pages 205-208, 1976.
3. Luna, L.G. Manual of Histologic Staining Methods of the Armed Forces Institute of Pathology, 3rd Edition, McGraw-Hill, NY, Pages 34-35, 1968.