

EA-65 Stain Solution (Cytological Stain)

Description	EA-65 is a cytologic stain routinely used in diagnostic cytology to aid in the identification and classification of exfoliative cells. EA-65 is recommended for specimens with large amounts of mucus. The stain is used for examining exfoliative cells of vaginal, cervical, sputum, as well as other body secretions. Commonly used in combination with hematoxylin.
Results	Nuclei: Blue Cytoplasm: Various shades of Pink or Green.
Uses/Limitations	<ul style="list-style-type: none">• For In-Vitro Diagnostic use only.• Cytological applications.• Do not use past expiration date.• Use caution when handling these reagents.
Control Cells	Vaginal exfoliative cells. Cheek exfoliative cells.
Storage	Room Temperature
Precautions	Flammable. Keep away from open flame. 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

1. Fix exfoliated epithelial cell smears in ethanol.
2. Using graded alcohols, rehydrate to distilled water.
3. Stain slide in Hematoxylin for 2-5 minutes.
4. Rinse for 2 minutes in several changes of tap water.
5. Dip slide in Bluing Reagent for 30 seconds.
6. Rinse slide in distilled water.
7. Place slide in 95% alcohol for 2 minutes.
8. Stain slide in EA-65 Stain Solution for 2 minutes.
9. Rinse quickly in 95% alcohol.
10. Dehydrate in absolute alcohol.
11. Clear, and mount in synthetic resin.

References

- Liu, W. A simplified cytological staining technique. *American Journal of Clinical Pathology*, Volume 54, Page 767, 1970.
- Keebler, C., Reagen, J. *A Manual for Cytotechnology*, American Society of Clinical Pathologists Press, Chicago, IL, Page 323, 1983.