



Instructions For Use

EAC-IFU

205 South 600 West Logan, Utah 84323, U.S.A. – Tel. (800) 729-8350 – Tel. (435) 755-9848 – Fax (435) 755-0015 – www.scytek.com Rev. 2, 5/23/2024

EA-50 Stain Solution

(Cytological Stain)

Description and Principle

EA-50 is a cytologic stain routinely used in diagnostic cytology to aid in the identification and classification of exfoliative cells. The stain is used for examining exfoliative cells of vaginal, cervical, sputum, as well as other body secretions. Commonly used in combination with hematoxylin.

Expected Results

Nuclei: Blue
Cytoplasm: Various shades of Pink or Green.

Kit Contents

Additional Kit Reagents Sold Separately

1. Hematoxylin, Mayer's (Lillie's Modification)
2. OG-6 Solution
3. EA-50 Stain Solution

Storage

18-25°C
18-25°C
18-25°C

Suggested Controls (not provided)

Vaginal exfoliative cells, Cheek exfoliative cells.

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
Intended for FFPE sections cut at 5-10µm.
This procedure has not been optimized for frozen sections.
Frozen sections may require protocol modification.

Storage

Store at room temperature (18-25°C).

Safety and Precautions

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

Procedure

1. Place slide in 95% alcohol for 5 minutes.
2. Place slide in 70% alcohol for 5 minutes.
3. Place slide in distilled water for 2 minutes.
4. Apply Hematoxylin, Mayer's (Lillie's Modification) for 5 minutes.
5. Rinse slide 1 time in distilled water to remove excess stain.
6. Rinse slide in tap water for 2 minutes.
7. Rinse slide in 2 changes of distilled water.
8. Dip slide several times in 95% alcohol and blot excess off.
9. Apply OG-6 Stain Solution for 2 minutes.
10. Rinse slide gently using absolute alcohol.



Oral squamous cells viewed at 40X stained with the Papanicolaou (PAP) Stain Kit.


11. Apply EA-50 Stain Solution for 3 minutes.
12. Rinse slide gently using absolute alcohol.
13. Quickly dehydrate slide in 3 changes of absolute alcohol.
14. Clear slide and mount in synthetic resin.

References

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

 ScyTek Laboratories, Inc.
205 South 600 West
Logan, UT 84321
435-755-9848
U.S.A.

 Emergo Europe
Prinsessegracht 20
2514 AP The Hague, The Netherlands