



Hematoxylin and Eosin Staining Kit

04/21

(Catalog # K1485-30, -500; 30 ml, 500 ml; Store at RT)

I. Introduction:

BioVision's Hematoxylin and Eosin Stain Kit is used for histology and cytology applications. A newly formulated Eosin is included in this kit that provides the benefits of a traditional alcoholic formula with significant improvements in usability. The advantages include lower evaporation rate, better color patterns, reduced tendency to spill over container, hands, and countertops and improved surface tension to remain on tissue section. Our Hematoxylin produces crisp, intense blue nuclei providing optimal contrast to the Eosin stained cytoplasm.

This kit stains as given below:

Cytoplasm: Light Pink; Collagen: Pink; Muscle: Pink/Rose; Erythrocytes: Pink/Red; Nuclei: Blue

II. Applications: Histology

III. Sample type: Fixed paraffin embedded tissue sections

Control Tissue (not provided): Any well fixed paraffin embedded or frozen tissue section. Cell smear.

IV. Contents:

Components	K1485-30	K1485-500	Part Number
Hematoxylin, Mayer's (Lillie's Modification)	30 ml	500 ml	K1485-XX-1
Bluing Reagent	30 ml	500 ml	K1485-XX-2
Eosin Y Solution (Modified Alcoholic)	30 ml	500 ml	K1485-XX-3

V. User Supplied Reagents and Equipment:

- Distilled water
- Coplin jars
- Plastic forceps
- Absolute alcohol
- Synthetic resin

VI. Shipment and Storage:

All the reagents are stored at room temperature (RT).

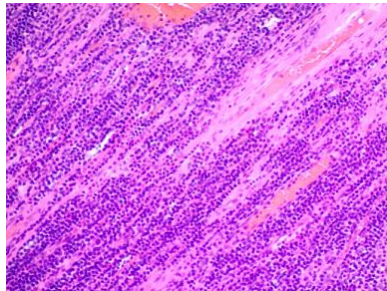
VII. Reagent preparation:

- Do not use if reagents become cloudy.
- Use caution when handling reagents.
- Reagents are non-sterile.

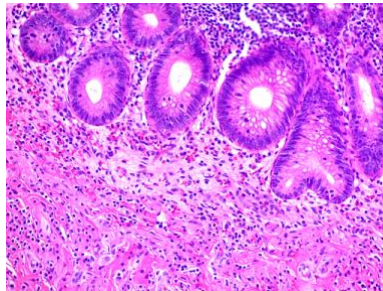
VIII. Protocol:

1. **Deparaffinize** sections if necessary and hydrate to distilled water.
2. Apply adequate **Hematoxylin, Mayer's (Lillie's Modification)** to completely cover tissue section and incubate for 5 min.
3. Rinse slide in 2 changes of distilled water to remove excess stain.
4. Apply adequate **Bluing Reagent** to completely cover tissue section and incubate for 10-15 sec.
5. Rinse slide in 2 changes of distilled water.
6. Dip slide in **absolute alcohol** and blot excess off.
7. Apply adequate **Eosin Y Solution (Modified Alcoholic)** to completely cover tissue section to excess and incubate for 2-3 min.
8. Rinse slide using absolute alcohol.
9. Dehydrate slide in 3 changes of **absolute alcohol**.
10. Clear slide and **mount in synthetic resin**.

A



B



Figures A and B show tissue sections stained with Hematoxylin and Eosin Staining Kit (Cat. No. K1485)

IX. Related Products:

BioVision Product Name	Cat. No.	Sizes
Gram Staining Kit	K1428	30 ml, 125 ml



Gentaur Europe BVBA Voortstraat 49, 1910 Kampenhout BELGIUM
Tel 0032 16 58 90 45 info@gentaur.com



GMS Staining Kit	K1427	125 ml
Fite's Staining Kit	K1425	125 ml
Modified Gram Staining Kit	K1429	30 ml, 125 ml
Pneumocystis Stain Kit	K1434	30 ml, 125 ml
Twort's Counterstain Kit	K1436	125 ml
Wright-Giemsa Staining Kit	K1439	30 ml, 500 ml
Warthin-Starry Staining Kit	K1437	125 ml

FOR RESEARCH USE ONLY! Not to be used on humans.