Web: www.taiclone.com
Tel: +886-2-2735-9682
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Hematoxylin Stain, Mayer Modified

Catalog No: tcnt3138

Available Sizes

Size: 500ml

Specifications

Application:
IHC, Blood Cells stain

Protocol:
Fixation: Formalin 10%, Phosphate Buffered Technique: Paraffin sections cut at 5 microns

Notes

PROTOCOL: H&E STAINING PROCEDURE WITH MAYER MODIFIED: 1. Deparaffinize sections thoroughly in three changes of xylene, 3 minutes each. Hydrate through two changes each of 100% and 95% ethyl alcohols, 10 dips each. Wash well with distilled water. 2. Stain with Hematoxylin Stain, Mayer Modified, 10 to 20 minutes, depending on preference of nuclear stain intensity. 3. Wash well in tap water for 3 minutes. 4. Blue slides in Lithium Carbonate, Saturated Aqueous or Scott Tap Water Substitute for 10 dips. 5. Wash in three changes of tap water; rinse in distilled water. 6. Drain excess water from rack/slides; proceed to 70% alcohol for 10 dips. 7. Counterstain in Eosin Y Working Solution or prepared Eosin-Phloxine Working Solution for 30 seconds to 3 minutes, depending on preference of intensity. 8. Dehydrate in two changes of 95% ethyl alcohol for 1 minute each and two changes of 100% ethyl alcohol, 10 dips each. Clear in three changes of xylene, 10 dips each; coverslip with compatible mounting medium. RESULTS: Nuclei : Blue Erythrocytes and eosinophilic granules : Bright pink to red Cytoplasm and other tissue elements : Various shades of pink

Product Description

Hematoxylin Stain, Mayer Modified is a ready to use

progressive hematoxylin that does not require filtering and does not

contain chloral hydrate or alcohol. Due to the progressive staining nature

of Mayer hematoxylin, over-staining is less likely and an acid alcohol

differentiation step is not required in the staining process. Mayer

hematoxylin is an excellent choice as a counterstain in

immunohistochemistry (IHC), amyloid and copper staining procedures.

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The routine hematoxylin and eosin (H&E) stain is used for screening

specimens in anatomic pathology, as well as for research, smears, touch

preps and other applications. Its two primary coloring agents stain all

cellular material including nuclei (blue), and cytoplasmic elements (pinkred). Popularity of this stain is due, in large measure, to its simplicity,

ability to clearly demonstrate a wide variety of different tissue

components, dependability, repeatability, and speed of use.