CAT Hematoxylin

Modified Lillie-Mayer’s Method

Control Number: 902-CATHE-070512

Protocol Recommendations Cont’d:
5. Wash in tap water until clear (generally 30 seconds to 1 minute).
6. Blue in Tacha’s Bluing Solution 30 seconds to 1 minute.
7. Wash in tap water 3-4 minutes.
8. Place in 95% alcohol for 30 seconds.
9. Counterstain with Edgar Degas Eosin 1-3 minutes.
   (*Alternately, counterstain with Rubens Eosin-Phloxine 30-40 seconds)
10. Dehydrate through graded alcohols.
12. Mount with resins or mounting media.

Technical Notes:
N/A

Protocol Notes:
Biocare Medical uses only stains that are certified by the Biological Stain Commission. CAT Hematoxylin is specially formulated to eliminate the necessity for differentiation of the section.

NOTE: The biggest objection to Mayer’s hematoxylin as used in the past, has been that stained slides often fade after 1-3 years. This problem can be eliminated, however, when slides are washed, after hematoxylin, in running water for a minimum of 3-4 minutes.

NOTE: Biocare's research studies show pH of tap and D.I. water for rinsing slides can have an effect on staining. pH can change from acidic to base seasonally in different regions of the country. It has been further reported, that there have been changes in tap water from the morning to the afternoon in some states. Long rinsing times after bluing may differentiate out Hematoxylin. We have modified our rinse time to 3-4 minutes, instead of the previous 7-10 minutes.

Performance Characteristics:
The protocols for a specific application can vary. These include, but are not limited to: fixation, heat-retrieval method, incubation times, tissue section thickness and detection kit used. Due to the superior sensitivity of these unique reagents, the recommended incubation times and titer are listed are not applicable to other detection systems, as results may vary. The data sheet recommendations and protocols are based on exclusive use of Biocare products. Ultimately, it is the responsibility of the investigator to determine optimal conditions. These products are tools that can be used for interpretation of morphological findings in conjunction with other diagnostic tests and pertinent clinical data by a qualified pathologist.

Quality Control:

Precautions:
Specimens, before and after fixation, and all materials exposed to them should be handled as if capable of transmitting infection and disposed of with proper precautions. Never pipette reagents by mouth and avoid contacting the skin and mucous membranes with reagents and specimens. If reagents or specimens come in contact with sensitive areas, wash with copious amounts of water.

Microbial contamination of reagents may result in an increase in nonspecific staining. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change. The MSDS is available upon request.

Warnings:
1. Contains glacial acetic acid (use in a well ventilated area).
2. Wear appropriate personal protective equipment and clothing.
3. Avoid contact with skin and eyes.
4. Seek medical attention if swallowed.
5. The MSDS is available upon request.

Troubleshooting:
Follow the reagent specific protocol recommendations according to data sheet provided. If atypical results occur, contact Biocare's Technical Support at 1-800-542-0202.

Limitations & Warranty:
There are no warranties, expressed or implied, which extend beyond this description. Biocare is not liable for property damage, personal injury, or economic loss caused by this product.


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