F-355  LILLIE’S ALLOCHROME METHOD

Fixation: Any good fixative of choice.
Sections: Paraffin @ 6 microns

Staining:
1. Deparaffinize and hydrate to distilled water.
2. Place for 10 minutes in Periodic Acid, 0.5% (F-355-4). Wash for 5 minutes in water.
3. Stain for 10 minutes in Schiff’s Reagent (F-355-1).
4. Rinse in 2 changes of Sodium Metabisulfite, 0.5% (F-355-5), for 2 minutes each change. Wash in water for 10 minutes.
5. Weigert’s Iron Hematoxylin A (F-355-3A)
6. Weigert’s Iron Hematoxylin B (F-355-3B)
7. Mix equal parts of Weigert’s A and Weigert’s B to make a Weigert’s Working Solution.
8. Stain in Weigert’s Working Solution for 2 minutes. Wash for 10 minutes in water.
9. Stain for 6 minutes in Picric Aniline Blue Solution (F-355-2).
10. Dehydrate in 95% Alcohol, absolute alcohol, and clear in Xylene, two changes each.

Results:

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Nuclei</td>
<td>Black, gray or brown</td>
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<tr>
<td>Cytoplasm and muscle cells</td>
<td>Gray, green to greenish-yellow</td>
</tr>
<tr>
<td>Reticulum and Collagen</td>
<td>Blue</td>
</tr>
<tr>
<td>Basement Membranes</td>
<td>Red</td>
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References: