F-350- VAN GIESON’S METHOD FOR COLLAGEN FIBERS

FIXATION: Any

SECTIONS: Paraffin @ 6 microns or Celloidin

STAINING:

1. Deparaffinize and hydrate to distilled water.
2. *Weigert’s Working Solution* for 10 minutes.

   *Weigert’s Working Solution is prepared by mixing equal parts of*

   Weigert’s Iron Hematoxylin A (F-350-4) and
   Weigert’s Iron Hematoxylin B (F-350-5)

3. Wash in distilled water.
4. Stain 1-3 minutes in *Van Gieson’s Solution* (F-350-3).
5. Dehydrate in 95% alcohol, absolute alcohol, two changes each.
6. Clear in 2 changes Xylene (C-120).

STAINING RESULTS:

<table>
<thead>
<tr>
<th>Tissue Type</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collagen</td>
<td>Red</td>
</tr>
<tr>
<td>Smooth and striated muscle</td>
<td>Yellowish to Brownish</td>
</tr>
<tr>
<td>Cornified epithelium</td>
<td>Yellow</td>
</tr>
<tr>
<td>Hyalin</td>
<td>Yellow</td>
</tr>
<tr>
<td>Nuclei</td>
<td>Blue to Black</td>
</tr>
</tbody>
</table>

REFERENCES:

Clark, G., (ed.) Staining Procedures, 3rd Ed., Williams & Wilkins Co.,
Luna, L. (ed.) AFIP Manual of Histological Staining Methods, 3rd Ed.,
Mallory, F.B., Pathological Technique, W.B. Saunders Co., Philadelphia
1938.
Mallory, F.B., Pathological Technique, Hafner Publishing., New York
1961, p. 152.