

## **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).
7. Mount with **Permount** (M-18).

### **STAINING RESULTS:**

Collagen	Red
Smooth and striated muscle	Yellowish to Brownish
Cornified epithelium	Yellow
Hyalin	Yellow
Nuclei	Blue to Black

### **REFERENCES:**

- Clark, G., (ed.) Staining Procedures, 3<sup>rd</sup> Ed., Williams & Wilkins Co., Baltimore, c. 1973, p. 50.
- Luna, L. (ed.) AFIP Manual of Histological Staining Methods, 3<sup>rd</sup> Ed., New York: McGraw Hill Publications, c. 1968, p. 76.
- Van Gieson, I., New York Med. J. , 50:57-60, 1889.
- Mallory, F.B., Pathological Technique, W.B. Saunders Co., Philadelphia 1938.
- Mallory, F.B., Pathological Technique, Hafner Publishing., New York 1961, p. 152.