

**F-371 VERHOEFF'S ELASTIC TISSUE
STAIN**

FIXATION: **10% Formalin**, (F-111) or **Zenker's Stock Solution** (F-155)

SECTION: Paraffin, @ 6 microns

STAINING PROCEDURE:

1. Deparaffinize and hydrate to distilled water.
2. Place in staining solution for 15 minutes. Staining solution should be prepared fresh.
Combine:
 25ml **Iron Solution**, (F-371-1)
 10ml **Potassium Iodide, 3%**, (F-371-2)
 3.5ml **Alcoholic Hematoxylin, 10%**, (F-371-3)
Use once and discard.
3. Wash in tap water. Differentiate in **Iron Solution**, (F-371-1) diluted 1-4 with distilled water.
4. Counter-stain with **Van Gieson's Solution**, (F-371-4), 3-5 minutes.
5. Dehydrate, clear and mount.

RESULTS:

Elastic Fibers.....intensely blue-black
Nuclei.....blue to black
Collagen.....red
Smooth and Striated Muscle.....brownish

REFERENCES:

Clark, G., Ed.: Staining Procedures, 3rd ed.; Baltimore: Williams and Wilkins Co., c. 1972, p. 61.

AFIP Manual of Histologic Staining Techniques, 3rd ed., Ed. G. Luna: New York: McGraw-Hill Publications, C. 1968, p. 76.

