

F-369 A MODIFIED VERHOEFF ELASTIC- VAN GIESON STAIN

(Consistant and shorter staining time!)

Fixation: **10% Buffered Neutral Formalin** (F-113)

Sections: 4-5 microns.

Staining:

1. Deparaffinize and hydrate sections.
2. Stain in modified Verhoeff at room temperature for 7 minutes or in a 60°C oven for 3 1/2 minutes.

To prepare modified Verhoeff Working Elastic solution,

Mix just before use:

- 3 parts **Alcoholic Hematoxylin, 3%** (F-369-1)
- 2 parts **Ferric Chloride 2%, aqueous** (F-369-2)
- 1 part **Lugol's Iodine** (F-369-3)
3. Wash in running warm tap water for 1 minute.
4. Differentiate in **Ferric Chloride, 0.4% aq.** (F-369-4) for 75 seconds.
5. Wash in running warm tap water for 5 minutes.
6. Counterstain in **Van Giesons Solution** (F-369-5) for 60 seconds.
7. Dehydrate, clear and mount with Permount.

Results:

Nuclei	Grayish-black
Elastic Fibers	Bluish-black
Collagen fibers	Red
Muscle	Greenish yellow

References:

Garvey, Winsome et al "A modified Verhoff Elastic Van Geison Stain" The Journal of Histotechnology ,Vol. 14, No. 2 pp113-114 June 1991.