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## **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.