

F-383 GOMORI'S ONE STEP TRICHROME METHOD

FIXATION: **10% BUFFERED NEUTRAL FORMALIN** (F-113)

SECTION: Paraffin @ 6 microns

STAINING PROCEDURE:

1. Deparaffinize and hydrate to distilled water.
2. Place in **Bouin's Solution**, (F-383-4) @ 56° C for 1 hour. Wash well in running water until yellow color disappears.
3. Stain nuclei for 10 minutes in **Gomori's Chromium Hematoxylin**, (F-383-3) or **Weigert's Iron Hematoxylin**, (F-383-2A & F-383-2B). Wash in water.
4. **Gomori's Trichrome Stain with Light Green**, (F-383-1) or **Gomori's Trichrome Stain with Aniline Blue**, (F-383-1A) for 15 to 20 minutes.
5. Place in **Acetic Acid, 0.5%**, (F-383-5) for 2 minutes. If sections are too dark, differentiate in **Acetic-Phosphotungstic Acid Solution**, (F-383-6). Rinse in Distilled water.
6. Dehydrate in 95% alcohol, absolute alcohol, and clear in **Xylene**, (C-120) two changes each. Mount.

RESULTS:

Muscle Fibers.....red
Collagen.....green
Nuclei.....blue to black

REFERENCES:

Gomori, G.,: Amer. J. Clin. Path., 20:661, 1950.
AFIP Manual of Histological Staining Method, 3rd ed., Ed. L. Luna, New York:
McGraw - Hill Publications, c. 1968, p. 93.

GOMORI TRICHROME STAIN Adapted for Stool

REAGENT REQUIRED: A. **Gomori's Trichrome Stain** (F-383-1) or (F-383-1A)
B. **Acetic Acid, 0.2%, Aqueous**, (SO-250)

METHOD:

1. Smear of stool or sections of tissue, not more than 5mm thick, prior stained in Hematoxylin followed by water rinse.
2. Reagent A for 5-20 minutes followed by water rinse.
3. Reagent B followed by water rinse.
4. Canada Balsam via usual reagents.

NOTE: Wheatley, 1951 (Tech. Bull. 21:92) recommends this technique for protozoans in intestinal smear.