

medilines

Mallory's Trichrome

for Muscle and Collagen

DESIGN TO DEMONSTRATE Collagenous and Reticulin Fibres, Cartilage, Bone Amyloid, Nuclei. Fibroglia and Elastin Fibres may remain unstained.

REAGENTS & PREPARATIONS

Mallory Solution A:	Ready to use
Mallory Solution B:	Ready to use
Mallory Solution C:	Ready to use

TISSUE SAMPLE

5 μ paraffin sections of Zenker or Neutral buffered formalin fixed tissue are suitable. Other fixatives are likely to be satisfactory. Most Trichrome stains benefit from picric acid or mercuric chloride fixation. Formalin fixed tissues may benefit from secondary fixation of sections in Bouin's fluid.

STAINING PROCEDURES

1. Remove Paraffin and bring sections to distilled water.
2. Place into **Malory Solution A** for 2 minute.
3. Rinse with distilled water.
4. Place into **Malory Solution B** for 2 minutes.
5. Rinse quickly with distilled water.
6. Place into s **Malory Solution C** for 15 minutes.
7. Wash well with distilled water.
8. Dehydrate and differentiate with ethanol.
9. Clear with xylene and mount with a resinous medium.

Expected results

- Nuclei – Red
- Erythrocytes – Orange
- Muscle – Red
- Collagen – Blue

Reference

Gray, Peter. (1954) *The Microtomist's Formulary and Guide.* Originally published by:- The Blakiston Co. Republished by:- Robert E. Krieger Publishing Co.

Citing:-**Mallory,** (1901) *Journal of Experimental Medicine,* v.5, pp.15

And:-**Mallory,** (1936) *Stain technology,* v.11, pp.101