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## Trichrome Stain Kit (Modified Gomori's)

**Description:** The Trichrome Stain Kit (Modified Gomori's) is intended for use in the histological visualization of collagenous connective tissue fibers in tissue sections.

Collagen:	Blue
Muscle Fibers:	Red
Nuclei:	Black/Blue


**Uses/Limitations:** For In-Vitro Diagnostic use only.  
 Histological applications.  
 Do not use past expiration date.  
 Use caution when handling these reagents.


**Control Tissue:** Lung  
 Uterus  
 Small Intestine  
 Appendix

**Availability/Contents:**

<u>Item #</u>	<u>Kit Contents</u>	<u>Storage Conditions</u>
BNF125	Bouin's Fluid (125 ml)	Room Temperature
HWI-250	Weigert's Iron, Hematoxylin (250 ml)	Room Temperature
TGB125	Trichrome Stain (125ml)	Room Temperature
AAD250	Acetic Acid Solution (250 ml)	Room Temperature
AAL250	Acid Alcohol Solution (250 ml)	Room Temperature

**Precautions:** Keep away from open flame.  
 Avoid contact with skin and eyes.  
 Harmful if swallowed.  
 Follow all Federal, State, and local regulations regarding disposal.  
 Use in chemical fume hood whenever possible.

Storage: 18° C  25° C

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**Procedure (Standard):**

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Preheat Bouin's Fluid in a water bath to 62° - 64° centigrade in a fume hood or very well ventilated area.
3. Place slides in preheated Bouin's Fluid for 60 minutes followed by a 10 minute cooling period.
4. Rinse slide in tap water until section is completely clear.
5. Rinse once in distilled water.
6. Stain slide with working Weigert's Iron Hematoxylin for 5 minutes.
7. Rinse slide in tap water for 2 minutes.
8. Apply Acid Alcohol solution to slide for 5 seconds to adjust pH.
9. Rinse slide in tap water for 1 minute.
10. Rinse slide in distilled water.
11. Apply Trichrome Stain to tissue section for 15 minutes.
12. Rinse slide in tap water for 1 minute.
13. Rinse slide in distilled water.
14. Apply Acetic Acid solution to tissue section for 10 seconds.
15. Rinse slide in distilled water.
16. Dehydrate through graded alcohol, clear, and mount in synthetic resin.

**References:**

1. Gomori, G.L., A rapid one-step trichrome. Amer J of Clinical Pathology. Vol. 20: page 661, 1950.
2. Manual of Histologic Staining Methods of AFIP. 3<sup>rd</sup> Edition, McGraw-Hill Publishing. Page 93, 1968.
3. Elbadawi, A., Hexachrome modification of Movat's stain. Stain Technology, Vol. 51: pages 249-253, 1976.
4. Carson, F.L., Histotechnology; A Self-Instructional Text, 2<sup>nd</sup> Edition. ASCP Press, Chicago, IL. Pages 117-121, 1996.

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