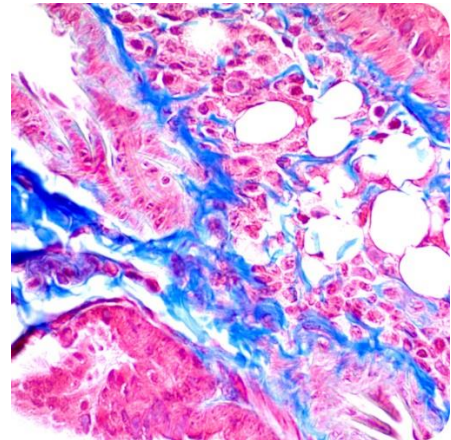


Trichrome Stain Kit (Modified Masson's)

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

<u>Tissue Component:</u>	<u>Staining Color/Pattern:</u>
Collagen:	Blue
Muscle Fibers:	Red
Nuclei:	Black/Blue

Uses/Limitations: Not to be taken internally.
 For In-Vitro Diagnostic use.
 Histological applications.
 Do not use if reagents become cloudy.
 Do not use past expiration date.
 Use caution when handling reagents.
 Non-Sterile.
 Use of frozen sections or microwave during procedure may negatively affect staining.




Control Tissue: Lung
 Liver
 Colon
 Stomach

Ordering information regarding individual components on back page!

Kit Contents:

<u>Item #</u>	<u>Components</u>	<u>Volume</u>	<u>Storage</u>
SSC1053-125	Bouin's Fluid	125 ml	18-25°C
SSC1060-125	Weigert's Iron, Hematoxylin (A)	125 ml	18-25°C
SSC1061-125	Weigert's Iron, Hematoxylin (B)	125 ml	18-25°C
SSC1052-125	Biebrich Scarlet / Acid Fuchsin Solution	125ml	18-25°C
SSC1104-125	Phosphomolybdic/Phosphotungstic Acid Solution	125 ml	18-25°C
SSC1048-125	Aniline Blue Solution	125 ml	18-25°C
SSC1031-125	Acetic Acid Solution (1%)	125 ml	18-25°C

Precautions: Avoid contact with skin and eyes.
 Harmful if swallowed.
 Follow all Federal, State, and local regulations regarding disposal.

Storage: 18° C  25° C


Procedure:

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Preheat Bouin's Fluid in a water bath to 56° - 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. Mix equal parts of Weigert's (A) and Weigert's (B) and stain slide with working Weigert's Iron Hematoxylin for 2-10 minutes. Stain is alcoholic and prone to evaporation – monitor and add stain as necessary to ensure stain does not dry on slide. Dried stain may result in excess grey background.
7. Rinse slide in running tap water for 2 minutes.
8. Rinse slide in distilled water.
9. Apply Biebrich Scarlet / Acid Fuchsin Solution to slide for 5-10 minutes.
10. Rinse slide in distilled water.
11. Differentiate in Phosphomolybdic/Phosphotungstic Acid Solution for 10-15 minutes.
12. Without rinsing, apply Aniline Blue Solution to slide for 5-10 minutes.
13. Rinse slide in distilled water.
14. Apply Acetic Acid Solution (1%) to slide for 3-5 minutes.
15. Dehydrate very quickly in 2 changes of 95% Alcohol, followed by 2 changes of Absolute Alcohol.
16. Clear in Xylene or Xylene Substitute, and mount in synthetic resin.

Notes: If final background is a dark or dull red/blue, it may be caused by excess grey background from the Weigert's Iron Hematoxylin. If this is the case, reduce staining time of Working Weigert's Iron Hematoxylin for future slides (step 6). A standard Acid Alcohol solution (not provided) may also be used to remove excess grey background immediately after step 6 as well.

References:

1. Sheehan, DC., Hrapchak, BB. Theory and Practice of Histotechnology; 1980, page 190.
2. A.F.I.P. Laboratory Methods in Histotechnology; 1992, pages 132-133.
3. Bekeredjian R., Walton C.B., MacCannell K.A., Ecker J., Kruse F., et al. Conditional HIF-1 α Expression Produces a Reversible Cardiomyopathy. PLoS ONE 5(7): e11693. Doi:10.1371/journal.pone.0011693. (2010)

Storage: 18° C  25° C



Instructions For Use SS1026-MAB-VO-IFU

Rev. Date: August 13, 2021


Revision: 3

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4300 Emperor Blvd. #400 - Durham, North Carolina 27703, U.S.A. – Tel. (877) 846-5393 - Fax (877) 817-1716 – www.cancerdiagnostics.com

Bulk Reagent Ordering Information and Current Pricing at www.cancerdiagnostics.com

Description:	Catalog #	Volume
Acetic Acid Solution (1%)	SSC1031-125	125 ml
	SSC1031-250	250 ml
	SSC1031-500	500 ml
	SSC1031-1000	1000 ml
Aniline Blue Solution	SSC1048-125	125 ml
	SSC1048-500	500 ml
	SSC1048-1000	1000 ml
Biebrich Scarlet / Acid Fuchsin Solution	SSC1052-125	125 ml
	SSC1052-500	500 ml
	SSC1052-1000	1000 ml
Bouin's Fluid	SSC1053-125	125 ml
	SSC1053-500	500 ml
	SSC1053-1000	1000 ml
Phosphomolybdic / Phosphotungstic Acid Solution	SSC1104-125	125 ml
	SSC1104-500	500 ml
	SSC1104-1000	1000 ml
Weigert's Iron, Hematoxylin (A)	SSC1060-125	125 ml
	SSC1060-500	500 ml
	SSC1060-1000	1000 ml
Weigert's Iron, Hematoxylin (B)	SSC1061-125	125 ml
	SSC1061-500	500 ml
	SSC1061-1000	1000 ml

Storage: 18° C  25° C