

FRASER LENDRUM METHOD FOR FIBRIN

STAINING PROCEDURE:

1. Deparaffinize and hydrate to distilled water.
2. Mordant in Zinc Formalin Solution overnight if Formalin fixed.
3. Wash in running water.
4. Celestine Blue Solution for 5 minutes.
5. Wash in running tap water for 5 minutes.
6. Mayer's Modified Hematoxylin for 5 minutes.
7. Wash in tap water for 5 minutes.
8. Orange G Picric Acid Solution for 5 minutes.
9. Wash in water for 1 minute.
10. Acid Fuchsin 1% Solution for 5 minutes.
11. Wash in water.
12. Differentiating Solution for 10-15 seconds.
13. Wash in water.
14. MacFarlane's Working Solution for 5 minutes.
16. Counterstain in Fast Green Substitute For Light Green 2% Aqueous for 1 minute.
17. Wash in tap water.
18. Dehydrate in 95% Alcohol, Absolute Alcohol and clear in Xylene, 2 changes each.
19. Mount with Poly Mount (Item# s2153) or any other acceptable mounting medium.

RESULTS:

ErythrocytesOrange
 Collagen..... Green

PURPOSE:	For In Vitro Diagnostic Use: Intended for the qualitative demonstration of fibrin.
PRINCIPLE:	This stain is very similar in principle to the trichrome techniques where small molecule dyes are used to stain less porous tissue followed by larger molecule dyes to stain looser textured structures such as collagen.
CONTROL:	Fibrillary tangles, blood clot
SPECIMEN PREPARATION:	Zinc Formalin fixed, paraffin embedded sections cut at 6 micrometers
SOLUTIONS:	<ol style="list-style-type: none"> 1. Celestine Blue Solution Item# s2437 2. Mayer's Modified Hematoxylin Item# s216 3. Orange G Picric Acid Solution Item# s2414 4. Acid Fuchsin 1% Solution Item# s2438 5. MacFarlane's Stock Solution Item# s2415 6. Fast Green Substitute For Light Green 2% Aq Item# s231 <p><u>MacFarlane's Working Solution:</u> MacFarlane's Stock Solution40.0 mL 95% Alcohol40.0 mL Distilled Water20.0 mL</p> <p><u>Differentiating Solution:</u> Orange G Picric Acid Solution.....30.0 mL 80% Alcohol70.0 mL</p> <p><i>Solutions can be purchased separately from Poly Scientific.</i></p>
NOTES:	
REFERENCE:	Luna, Lee G. <u>Histopathologic Methods and Color Atlas of Special Stains and Tissue Artifacts</u> . American Histolabs Inc. Gaithersburg, MD. 1992. pp. 410-411.

Poly Scientific R&D Corp.

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