

Millers Elastin Stain is most often used to demonstrate elastic fibres in tissue. Elastic fibres stain black and are contrasted with other cellular components by counterstaining with Van Gieson stain.

Specification:

Contains Soluble blue, Crystal violet, Fuchsin, ferric chloride and resorcinol in an aqueous methanolic solvent system containing solubility improvers and stabilisers. Ready to use.

General Method (single slide) :

- 1 – De-wax sections and bring to water (Xylene – Alcohols – water)
- 2 – Place slide in 0.5% aqueous Potassium permanganate for 5 minutes
- 3 – Wash well in tap water for 30 seconds.
- 4 – Place slide in 1 % aqueous Oxalic acid for 2 minutes (decolourisation step).
- 5 – Rinse in deionised water for 30 secs followed by 95% Ethanol rinse for 30 seconds.
- 6 - Stain in Millers Elastin stain for 1 – 3 hours (Check staining progress microscopically every 30 minutes).
- 7 – Rinse briefly in 95% Ethanol to remove excess stain only.
- 8 – Wash in water for 30 seconds.
- 9 – Stain in Van Giesons stain for 3 minutes.
- 10 - Dehydrate rapidly (alcohols – xylene), clear and mount in DPX.
- 11 - Examine by light microscopy.

Results:

Elastic fibres and mast cell granules	Black
Collagen	Red
Other tissues & RBC's	Yellow

Storage:

Store reagent at cool room temperature in darkened cupboard away from sources of ignition.

Health & Safety:

Contains organic dyestuffs which may be harmful over long term exposure. Do not consume. Avoid sources of ignition when using. . If ingested seek immediate medical attention on what treatment is appropriate. Wash with soap and water in contact with skin. If in contact with eyes bathe eyes with eye-bath for 5 minutes. Seek medical attention if soreness persists. Wear suitable eye, face and body protection when using. Use in a suitably ventilated area or under a ventilated hood.. This product is for "In-vitro diagnostic use only ". Standard precautions for handling laboratory reagents should be followed when using this product. R: 11-22-23-25-40 S: 7-16-24-25-26-28-45

Waste disposal :

Mop up immediately with suitable absorbent granules or paper and rinse to drain with plenty of water.

Unused reagent can be disposed of in public sewer diluting greatly with tap water.

Packaging should be rinsed with water and recycled as polyethylene, paper & cardboard.

Unsatisfactory performance

As part of our duty to monitor product performance and our policy of continual improvement. Please report to us any unsatisfactory performance you may experience with this product. If any reagent degrades before expiry of shelf life we will replace that reagent free of charge. GCC Diagnostics guarantees the quality of this product, the user should however determine the suitability of this product for their intended use.

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