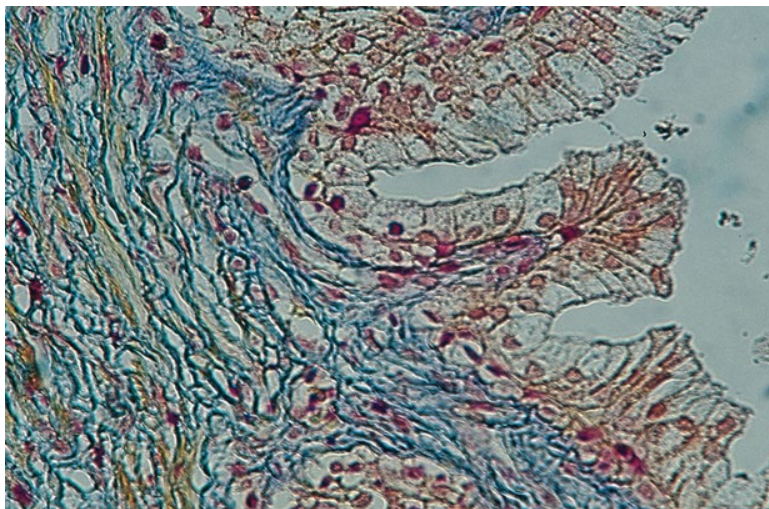




MALLORY TRICHROME



Prostate

CODE	DESCRIPTION	TESTS NUMBER
04-020802	Mallory trichrome	100 test



In Vitro Diagnostic – medical device
IVD in **Class A**, Reg. UE 2017/746
UDI-DI: 08033976230623
Basic UDI: 080339762W01030799Y5



Manufacturer: Bio-Optica Milano S.p.A.

Product for the preparation of cyto-histological samples for optical microscopy.
Standard procedure for connective tissue; it shows collagen, reticulum, cartilage, bone, amyloid.

PRINCIPLE

In this method, three different dyes are used: carbol fuchsin for nuclear staining, orange G for cytoplasm and aniline blue for a selective collagen staining. Selectivity in this procedure is due to different degrees of affinity between dyes and tissue macromolecules. A central role is played by phosphomolibdic acid, which acts as a bound between tissue structures (collagen fibrils, cell membranes), and aniline blue (amphoteric dye). Orange G, which is the second component in Mallory's polychrome solution, has no affinity to phosphomolibdic acid and is thus used to stain all remaining structures unbound to phosphotungstic acid.

METHOD

- 1) Bring section to distilled water.
- 2) Put on the section 10 drops of reagent A: leave to act 10 minutes.
- 3) Wash in distilled water.
- 4) Put on the section 10 drops of reagent B: leave to act 2 minutes.
- 5) Wash quickly in tap water (2-3 seconds) and put on the section 10 drops of reagent C: leave to act 5 minutes.
- 6) Without washing, drain the slide and put on the section 10 drops of reagent D: leave to act 1 minute.
- 7) Wash in distilled water, dehydrate rapidly in ascending alcohols and stop for 1 minute in the last absolute ethanol. Clear in xylene and mount.



The picture is for illustrative purposes only

Technical details

Method specifications	Procedure time	20 minutes		
	Complementary equipment	Not requested		
	Results	Nuclei, myofibrils, neuroglia fibrils, cartilage, bone:	Red	
		Collagen fibrils:	Deep blue	
		Erythrocytes, myelin:	Gold yellow	
		Delta cells granules of hypophysis:	Gold yellow	
		Elastic fibrils:	Pale pink, yellow or unstained	
Components	A) Carbofuchsin solution	30 ml		
	B) Acid differentiating buffer	30 ml		
	C) Phosphomolibdic acid solution	30 ml		
	D) Polychrome solution according to Mallory	30 ml		
Storage	Storage	Store the preparation at room temperature. Keep the containers tightly closed.		
	Storage temperature	15-25°C		
	Stability	After the first opening, the product is reusable until the expiry date, if correctly stored.		
	Validity	2 years		
Warning	Product classification	<p>The product is intended for professional laboratory use for healthcare professionals.</p> <p>Carefully read the information on the label (danger symbols, risk and safety phrases) and always consult the safety data sheet. Do not use if the primary container is damaged.</p> <p>In the event of a serious accident, we recommended that you immediately inform Bio-Optica Milano S.p.A and the competent authorities.</p>		
	Disposal	<p>Hazardous preparation: observe all state and local environmental regulations regarding waste disposal.</p>		

REVISION n°	REASON	REVISION DATE
001	Regulation adjustment UE 2017/746 - IVDR	16/05/2022