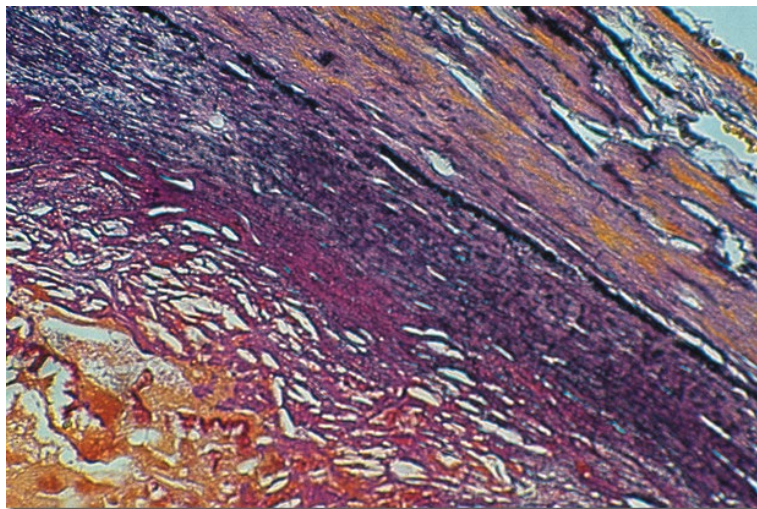




WEIGERT VAN GIESON

Rapid method



Connective tissue and elastic fibres

CODE	DESCRIPTION	TESTS NUMBER
04-053812	Weigert Van Gieson, rapid method	100 test



In Vitro Diagnostic – medical device
IVD in **Class A**, Reg. UE 2017/746
UDI-DI: 08033976230906
Basic UDI: 080339762W01030799Y5



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

Product for the preparation of cyto-histological samples for optical microscopy.
To show elastic fibres, connective tissue and nuclei at the same time. Recommended for vascular pathology.

PRINCIPLE

The method is based on the affinity towards elastic fibres displayed by the dye resulting from a reaction between resorcin and basic fuchsin in the presence of ferric chloride. Since this is not absolutely specific method, other structures such as collagen and basal membranes might be stained. Therefore, it is essential to differentiate carefully in order to obtain a selective marked staining of elastic fibres. Counterstaining with Van Gieson trichrome stain makes it possible to differentiate collagen from connective tissue showing nuclei at the same time.

METHOD

- 1) Bring section to distilled water.
- 2) Put on the section 5 drops of reagent A: leave to act 5 minutes.
- 3) Rinse in distilled water.
- 4) Prepare the incubation box: put on the bottom of the incubation box 20 drops of reagent B; introduce the slide and put on the section 10 drops of reagent C, close the incubation box and incubate 30 minutes.
- 5) Rinse in distilled water.
- 6) Put on the section 10 drops of reagent D: leave to act 2 minutes.
- 7) Wash the slide in tap water 5 minutes.
- 8) Rinse in distilled water.
- 9) Put on the section 5 drops of reagent E and add 5 drops of reagent F: leave to act 10 minutes.
- 10) Blue in running tap water 10 minutes.
- 11) Put on the section 10 drops of reagent G: leave to act 10 minutes.
- 12) Rinse quickly (2-3 seconds) in distilled water and dehydrate rapidly through ascending alcohols; stop 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	Graduated pipette		
	Results	Elastic fibres:	From purplish red to brown	
		Nuclei:	Black	
		Collagen:	Various shades of red	
Connective tissue, erythrocytes:		Yellow		
Components	A) Periodic acid solution	30 ml		
	B) Alcoholic solution for incubation box	2 x 30 ml		
	C) Weigert's fuchsin-resorcin	30 ml		
	D) Acid differentiation buffer	30 ml		
	E) Weigert's iron hematoxylin - solution A	18 ml		
	F) Weigert's iron hematoxylin - solution B	18 ml		
	G) Van Gieson's Picrofuchsine	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	Hazardous preparation: observe all state and local environmental regulations regarding waste disposal.		

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