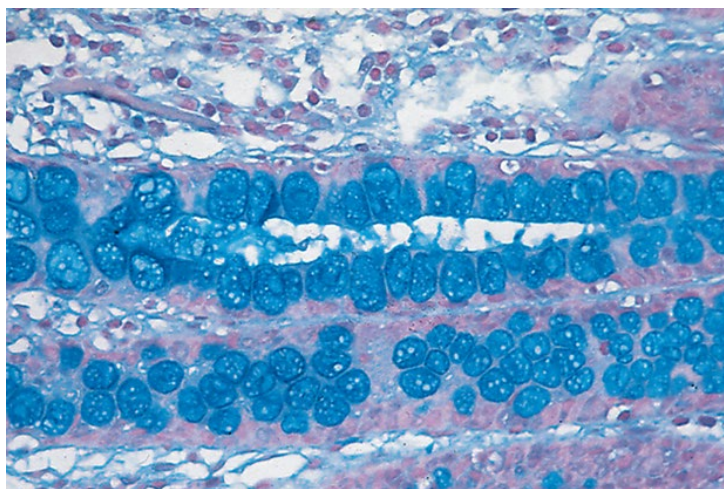




ALCIAN BLUE pH 2,5



Intestine

CODE	DESCRIPTION	TESTS NUMBER
04-160802	Alcian blue pH 2,5	100 test



In Vitro Diagnostic – medical device
IVD in **Class A**, Reg. UE 2017/746
UDI-DI: 08033976231286
Basic UDI: 080339762W01030799Y5



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

Product for the preparation of cyto-histological samples for optical microscopy.
For demonstration of the acid mucopolysaccharides in tissue sections.

PRINCIPLE

Alcian dyes belong to cuprophthalocyanine group; they bind polyanions of acid mucopolysaccharides through saline bounds. In this method, a sodium tetraborate solution transforms the dye into Monastral blue pigment, which is insoluble and can therefore be further manipulated without spreading in the tissue (Alcian blue-PAS). Alcian blue reacts with polyanions whose components are sulphuric and carboxylic radicals (phosphate radicals of nucleic acids do not react). As result, acid mucins only are stained.

Attention

(See kit ALCIAN BLUE pH 2,5 - pH 1)

- pH 1 Alcian blue ionizes strongly sulphured mucins only.
- pH 2,5 Alcian blue ionizes most acid mucins.

METHOD

- 1) Bring section to distilled water.
- 2) Put on the section 10 drops of reagent A: leave to act 30 minutes.
- 3) Drain the slide without washing and put on the section 10 drops of reagent B: leave to act 10 minutes.
- 4) Wash in distilled water.
- 5) Put on the section 10 drops of reagent C: leave to act 5 minutes.
- 6) Wash in distilled water.
- 7) Dehydrate through ascending alcohols, clear in xylene and mount.



The picture is for illustrative purposes only

Technical details

Method specifications	Procedure time	50 minutes	
	Complementary equipment	Not requested	
	Results	Acid mucopolysaccharides:	Turquoise blue
		Nuclei:	Red
Components	A) Alcian Blue pH 2,5 according to Mowry	30 ml	
	B) Sodium tetraborate solution	30 ml	
	C) Carmalum according to Mayer	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