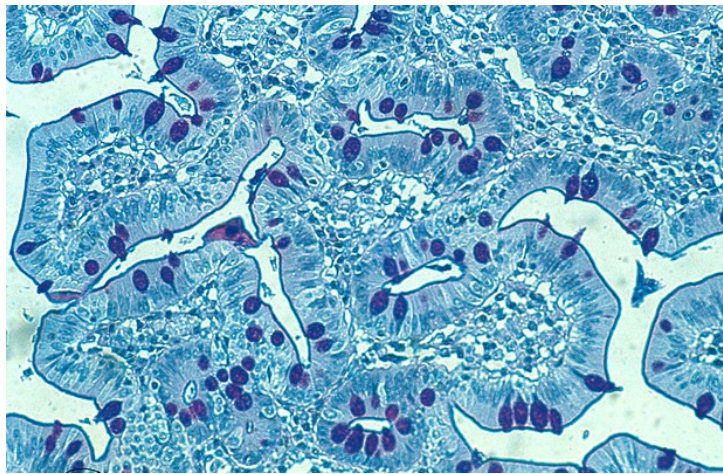




ALCIAN BLUE pH 2,5 – P.A.S.



Intestine

CODE	DESCRIPTION	TESTS NUMBER
04-163802	Alcian blue pH 2,5 - PAS	100 test

IVD

In Vitro Diagnostic – medical device
IVD in **Class A**, Reg. UE 2017/746
UDI-DI: 08033976231316
Basic UDI: 080339762W01030799Y5



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

Product for the preparation of cyto-histological samples for optical microscopy.
Integrated method to show acid mucins, neutral mucins and carbohydrates in tissue sections.

PRINCIPLE

In the first part of the procedure, sections are treated with Alcian blue and acid mucins are stained. Acid mucins and dye form the insoluble compound "Monastral blue" and therefore will not be affected by the second part of the procedure, when PAS reaction will stain only neutral mucins and glycogen.

(Glycogen will be stained only if section has not been previously treated with diastase enzymatic digestion).

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 15 drops of reagent B: leave to act 10 minutes.
- 4) Wash for 5 minutes in tap water and for 2 minutes in distilled water.
- 5) Put on the section 10 drops of reagent C: leave to act 10 minutes.
- 6) Wash in distilled water.
- 7) Put on the section 10 drops of reagent D: leave to act 20 minutes.
- 8) Wash in distilled water.
- 9) Put on the section 10 drops of reagent E: leave to act 2 minutes.
- 10) Drain the slide without washing and put on the section 10 drops of reagent F: leave to act 3 minutes.
- 11) Wash in distilled water.
- 12) Put on the section 10 drops of reagent G: leave to act 2 minutes.
- 13) Blue in running tap water for 5 minutes.
- 14) Dehydrate through ascending alcohols; clear in xylene and mount.

NB: The quantities of each reagent are calculated for a 20mm X 40mm tissue section



The picture is for illustrative purposes only

Technical details

Method specifications	Procedure time	1 hour and 25 minutes		
	Complementary equipment	Not requested		
	Results	PAS positive substances:	Magenta red	
		Acid mucopolysaccharides:	Turquoise blue	
Some epithelial mucins and cartilage		From purple to dark blue		
Components	A) Alcian Blue pH 2,5 solution according to Mowry	30 ml		
	B) Sodium tetraborate solution	30 ml		
	C) Periodic acid solution	30 ml		
	D) Schiff's Reagent according to Hotchkiss - Mc Manus	30 ml		
	E) Potassium metabisulphite solution	30 ml		
	F) Fixative solution	30 ml		
	G) Mayer's Hemalum	30 ml		
Storage	Storage	Store the preparation at 2 – 8°C. Keep the containers tightly closed.		
	Storage temperature	2 - 8°C		
	Stability	After the first opening, the product is reusable until the expiry date, if correctly stored.		
	Validity	1 year		
Warning	Product classification	<p>The product is intended for professional laboratory use for healthcare professionals. 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
002	Added detail in the method	22/05/2023