

Alcian blu pH 2.5 - P.A.S. acc. Mowry*Kit to highlight acid mucins, glycogen and glycoprotein***Manufacturer: Diapath S.p.A****Use**

Reagents for in vitro diagnostic use.

Code	Test	Reagents	Code	Packaging
		Alcian blu pH 2.5 sec. Mowry	C005AA	1x30 ml
		Sodium tetraborato saturated	G046AA	1x30 ml
		Periodic Acid 1%	G016AA	1x30 ml
010209	100	Schiff reagent acc. Hotchkiss-McManus	C062AA	1x30 ml
		Metabisulfite Potassium acc. Hotchkiss-McManus	G011AA	1x30 ml
		Hydrochloric Acid 10%	G047AA	1x30 ml
		Mayer Hematoxylin	C030AA	1x30 ml

Description

The kit supplies reagents for Alcian blu (pH 2.5) – P.A.S. stains to identify on the same histological section acid and neuter mucins, glycogen and glycoprotein.

Specimen and preparation kind

- Preparation: Paraffin section
- Suggested fixatives: Formalin
- Control : Appendix, colon
- Storage temperature: +4°/+8°C
- Procedure time: 1 h 40 min
- Critical step: Solution pH, reagent temperature

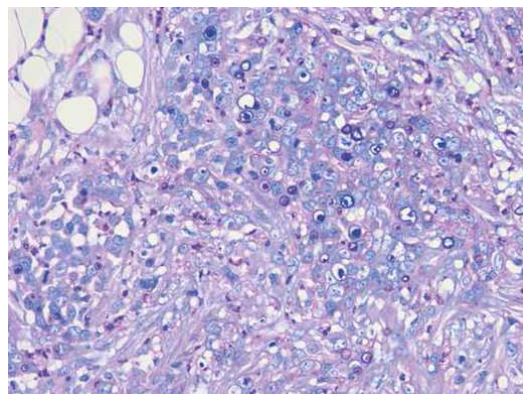
Staining protocol

- Drain reagents directly on section.
 - To avoid section excessive drying, use a wet incubator box.
- 1- Deparaffinize and hydrate section to distilled water
 - 2- **Alcian blu pH 2,5 acc. Mowry** for 30 minutes
 - 3- Drain slide and go to the next step
 - 4- **Sodium tetraborate saturated** for 10 minutes
 - 5- Wash in running tap water for 5 minutes. Wash in distilled water for 1-2 minutes
 - 6- **Periodic Acid 1%** for 5 minutes. Wash in distilled water for 1-2 minutes
 - 7- **Schiff reagent acc. Hotchkiss-McManus** for 30 minutes. Wash in distilled water for 2 minutes
 - 8- Working solution: 80 ml of distilled water + 10 drops of **Metabisulfite Potassium acc. Hotchkiss-McManus** + 10 drops of **Hydrochloric Acid 10%**. Dip the slides in the working solution for 10 minutes.
 - 9- Wash in distilled water for 1 minute
 - 10- **Mayer Hematoxylin** for 1 minute
 - 11- Wash in running tap water for 1 minute
 - 12- Dehydrate quickly, clear and mount with balsam

WARNING We recommend to keep Schiff reagent acc. Hotchkiss-McManus at room temperature for at least 10 minutes before the use.

Results

- Mucins: Blue - turquoise
- Nuclei: Blue- violet
- Positive PAS substances: Magenta
- Epithelial mucins and cartilages: Purple - dark blue



Quality control

The products and the raw materials are entered and constantly monitored by computer systems that allow traceability between batch number of each single product and batches of their raw materials.

Instructions of use

To avoid mistakes, the product should be used by qualified and trained staff. Professional use product. The guidelines concerning safety on the workplace must be applied according to current regulations. The tools used for diagnosis must be suitable for diagnostic use in laboratory. The diagnosis should be performed only by authorized, trained and competent staff. Control sections should be used during each test to avoid incorrect results.

Storage








Store the product according to the specifications listed on the label. The product, if opportunely stored and integrally packed, is stable up to the expiry date reported on the label. Do not use after expiration date.

If the reagent is not stored as recommended, its performance may change and must be validated by the user. After opening, the reagent is stable up to expiration date but only if stored in its container and in accordance with the specifications listed on the label. It is recommended to close the container tightly after the use.

Disposal instruction

The expired and/or unused product must be disposed according to local waste regulations, based on danger classification on the label and after possible contaminations evaluation. In some cases it may be necessary an analytical evaluation to determine the correct waste classification and the danger features.

Labeling legend

 LOT	Batch n.		Manufacturer		Storage temperature limits
 REF	Product code		Expiry date		In vitro diagnostic medical device
	Photosensitive				

For more information see the MSDS.