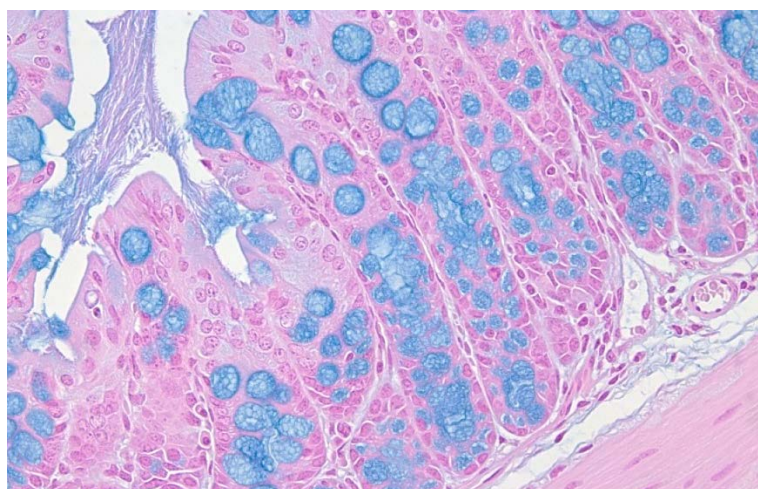


ALCIAN BLUE pH 1,0



Stomach

| CODE | DESCRIPTION | TESTS NUMBER |
|-----------|--------------------|--------------|
| 04-166802 | Alcian blue pH 1,0 | 100 test |



In Vitro Diagnostic – medical device



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

Date of issue: 12/07/2018

Rev. 02

Product for the preparation of cyto-histological samples for optical microscopy.
Method to show the strongly sulphured mucins only 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 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.

SPECIFICITY

- 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

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Technical details

| | | | |
|-----------------------|--|---|----------------|
| Method specifications | Procedure time | 50 minutes | |
| | Complementary equipment | Not requested | |
| | Results | Strongly sulphured mucins: | Turquoise blue |
| | | Nuclei: | Red |
| Components | A) Alcian Blue pH 1.0 according to Mowry | 30 ml | |
| | B) Sodium tetraborate solution | 30 ml | |
| | C) Carmalum according to Mayer | 30 ml | |
| Storage | Storage | Store the preparation at 15 - 25°C. Keep the containers tightly closed. | |
| | Storage temperature | 15 - 25°C | |
| | Stability | After the first opening, the product is usable until the expiry date, if correctly stored. | |
| | Validity | 2 years | |
| Warning | Product classification | <p>The product must be used exclusively by specialized technical operators. The product is classified as hazardous.</p> <p>Read with attention the information written on the label (dangerous symbols, risks and safety phrases). Consult always the safety data sheet where the information about the risks of the preparation, precautionary measures during use, first aid and disposal are available.</p> <p>Do not use if primary packaging is damaged.</p> | |
| | Disposal | Hazardous preparation: observe all state and local environmental regulations regarding waste disposal. | |

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