

Alcian Yellow Toluidine Blue (for Helicobacter Pylori), Kit

Reference: AP0238



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INTENDED USE AND PRESENTATION:

For *in vitro* diagnostic use.

AP0238. 100 Tests.

APPLICATIONS:

The Alcian Yellow Toluidine Blue (for Helicobacter Pylori) kit was designed to show Helicobacter pylori and acid mucins in gastric.

The interpretation of the stain results is the full responsibility of the user. Any experimental result must be confirmed by a medically established diagnostic product or procedure.

PRODUCT COMPOSITION:

The Alcian Yellow Toluidine Blue (for Helicobacter Pylori) is composed by:

Reagent	Name	Volume	Storage
A	Periodic acid solution	30 mL	15-25 °C
B	Sodium metabisulphite solution	30 mL	15-25 °C
C	Alcian yellow solution	30 mL	15-25 °C
D	Sodium hydroxide solution	30 mL	15-25 °C
E	Toluidine blue solution	30 mL	15-25 °C

METHODS AND PROCEDURE:

Principles of the method: Gastric surface epithelial mucin, normally unstained by the alcian dyes, after oxidation by periodic acid stains strongly and form a insoluble compound that will not be affected by the second part of the procedure when toluidine blue solution will stain bacteria.

Specimen: Paraffin-embedded tissue samples should be used.

Procedure time: 35 minutes.

Staining procedure:

- 1) Deparaffinize and hydrate for paraffin section.
- 2) Put the slide in distilled water.
- 3) Incubate with **Reagent A** for 10 minutes.
- 4) Put the slide in distilled water for 2 minutes.
- 5) Incubate with **Reagent B** for 5 minutes.
- 6) Put the slide in distilled water for 2 minutes.
- 7) Incubate with **Reagent C** for 5 minutes.
- 8) Put the slide in distilled water for 2 minutes.
- 9) Preparation of working solution of toluidine blue: in 2.5 mL of **Reagent D**, put 1 drop of **Reagent E**. Incubating this mixture for 3 minutes.
- 10) Put the slide in distilled water for 2 minutes.
- 11) Dehydrate in alcohols of increasing clear in xylene and mount preparation.

See our web site at www.gennaio-europe.com for detailed protocols ancillary reagents and support products.

EXPECTED RESULTS:

During the reaction of the different solutions of the kit with the tissue sections, resulting in the following stains:

Helicobacter Pylori	Blue
Mucins	Yellow
Background	Pale Blue

REQUIRED MATERIALS BUT NOT SUPPLIED:

All reagents, materials, and laboratory equipment for this procedure are not provided with this kit. This includes adhesive slides and cover slips, positive and negative control tissues, xylene or adequate substitute, ethanol, distilled H₂O, pipettes, Coplin jars, glass jars, moist chamber, histological baths, mounting materials, and microscope.

Buffered solutions for and other auxiliary reagents are available from Genova Scientific.

STORAGE AND STABILITY:

Store at 15-25 °C until the expiration date printed on product label. Do not use after the expiration date. Keep the containers tightly closed. After the first opening, the product is usable until the expiry date stated on label of intact product. Waste from solutions must be disposed under the procedure of hazardous substance. If the product is stored under different conditions from those stipulated in



Catalog number



Batch code



In Vitro diagnostic medical device



Temperature limitation



Expiration date



Test number



Manufacturer



See instruction for use



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these technical indications, the new conditions must be verified by the user.

Gennova Scientific guarantees that the product will maintain all of the described characteristics from the production date until the expiration date, as long as the product is stored and used as recommended. No other guarantees are provided. Under no circumstances is Gennova Scientific obliged to cover damages caused by use of this reagent.

TROUBLESHOOTING:

If unusual staining is observed or any other deviations from the expected results, please read these instructions carefully, and if this does not solve the problem, please contact Gennova Scientific's technical support department or your local distributor.

PRECAUTIONS:

Use only by qualified personnel. Read with attention the information written on the label (dangerous symbols, risks and safety phrases). Consult always the safety data sheet (MSDS) where the information about the risks of the preparation, precautionary measures during use, first aid and disposal are available. Use proper protective equipment in order to avoid contact with reagents and samples in the eyes, skin, and mucosal tissues. MSDS is available upon request.

PERFORMANCE CHARACTERISTICS:

Gennova Scientific has performed studies to evaluate the functioning of this product, concluding that the product is both specific and sensitive for recommended use.

BIBLIOGRAPHY:

Lenny K, Gibbon KJ. A rapid staining method for Helicobacter pylori in gastric biopsies. J Histotechnology 1996 June; 19: 131.

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