

PAS Picro Indigo Carmine (Morel-Maronger modified), Kit
Reference: AP0372



1 of 2

INTENDED USE AND PRESENTATION:

For *in vitro* diagnostic use.

AP0372. 100 Tests.

APPLICATIONS:

The PAS Picro Indigo Carmine (Morel-Maronger modified) kit was designed to show the simultaneous visualization of neutral mucopolysaccharides and connective tissue.

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 PAS Picro Indigo Carmine (Morel-Maronger modified) kit is composed by:

Reagent	Name	Volume	Storage
A	Periodic acid solution	30 mL	2-8 °C
B	Schiff Hotchkiss – McManus solution	30 mL	2-8 °C
C	Potassium metabisulphite solution	30 mL	2-8 °C
D	Acid activation buffer	30 mL	2-8 °C
E	Picric indigo carmine solution	30 mL	2-8 °C

METHODS AND PROCEDURE:

Principles of the method: The method associates to one reaction P.A.S. a contrast that is taken advantage of the metachromatic property of the indigocarmine, that is an anionic stain and its metachromasia is due to the iso-electric point and the pH of the chromotropic; the dyeing property of picric acid add to these (erythrocyte).

Specimen: Paraffin-embedded tissue samples should be used.

Procedure time: 40 minutes.

Staining procedure:

- 1) Deparaffinize and hydrate for paraffin section.
- 2) Put the slide in distilled water.
- 3) Put on the section 2-5 drops of **Reagent A** and leave to act 10 minutes.
- 3) Wash in distilled water.
- 4) Put on the section 2-5 drops of **Reagent B** and leave to act 15 minutes.
- 5) Rinse in distilled water.
- 6) Put on the section 2-5 drops of **Reagent C** and leave to act 2 minutes.
- 7) Drain and without washing put on the section 2-5 drops of **Reagent D** and leave to act 3 minutes.
- 8) Rinse in distilled water and wash in running tap water 5 minutes.
- 9) Put on the section 2-5 drops of **Reagent E** and leave to act 5 minutes.
- 10) Rinse in distilled water.
- 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:

P.A.S. positive substances	Magenta red
Connective tissue	Blue green
Muscle, horny layer of the skin, neuroglia fibers and erythrocytes	Yellow-green

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 2-8 °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



Catalog number



Batch code



In Vitro diagnostic medical device



Temperature limitation



Expiration date



Test number



Manufacturer



See instruction for use



Genova Scientific, S.L.
C/ Johann Gutenberg, 4F. Pol. Ind.
El Caamo | • 41300 San Jose
de La Rinconada • Sevilla, SPAIN
Telefono: +34 954 150767
Fax: +34 955 266494

info@gennovalab.com
www.gennaio-europe.com

PAS Picro Indigo Carmine (Morel-Maronger modified), Kit
Reference: AP0372



2 of 2

be disposed under the procedure of hazardous substance. If the product is stored under different conditions from those stipulated in these technical indications, the new conditions must be verified by the user.

Genova 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 Genova 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 Genova 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:

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

BIBLIOGRAPHY:

Bank O. e Bungenberg de Jong H.G.: Untersuchungen uber Metachromasie. Protoplasma, 32: 489- 516; 1939
Dresbach M.: A modification of Mayer's mucicarmine stain for mucin. Arch. Path., 44:391-392; 1947
Kelly J. W.: An evaluation of the metachromasy of anionic dyes. Visual observation on tissue sections. Stain Technol., 31: 275-281; 1956
Morel - Marongen: (metodo non pubblicato) I.N.S.E.R.M. Hopital Tenon, Paris

F01IT04_V1R0612_AP0372_English

REF	Catalog number	LOT	Batch code	IVD	In Vitro diagnostic medical device
	Temperature limitation		Expiration date		Test number
	Manufacturer		See instruction for use		



Genova Scientific, S.L.
C/ Johann Gutenberg, 4F. Pol. Ind.
El Cafamo I • 41300 San Jose
de La Rinconada • Sevilla, SPAIN
Telefono: +34 954 150767
Fax: +34 955 266494

info@genovalab.com
www.genova-europe.com