

Masson Fontana, Kit

Reference: AP0159



1 of 2

INTENDED USE AND PRESENTATION:

For *in vitro* diagnostic use.

AP0159. 100 Tests.

APPLICATIONS:

The Masson Fontana kit was designed to show melanin in histologic sections.

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 Masson Fontana kit is composed by:

Reagent	Name	Volume	Storage
A	Ammoniacal silver nitrate solution	30 mL	15-25 °C
B	Gold chloride solution	30 mL	15-25 °C
C	Sodium thiosulphate solution	30 mL	15-25 °C
D	Nuclear fast red solution	30 mL	15-25 °C

METHODS AND PROCEDURE:

Principles of the method: Argentaffin reaction is based on the intrinsic capacity of some tissue components to reduce silver in an ammoniacal solution to metallic silver.

Warning:

Fixatives containing heavy metals salts (mercury chloride, potassium dichromate) should be avoided since deposits of such salts may cause false positive results. It is necessary to use distilled water for all the washings and perfectly clean glassware.

Specimen: Paraffin-embedded tissue samples should be used.

Procedure time: 1 hour 25 minutes.

Staining procedure:

- 1) Deparaffinize and hydrate for paraffin section.
- 2) Stain slides with **Reagent A** for 60 minutes.
- 3) Wash in distilled water.
- 4) Stain slides with **Reagent B** for 10 minutes.
- 5) Wash in distilled water.
- 6) Stain slides with **Reagent C** for 5 minutes.
- 7) Wash in distilled water.
- 8) Counterstain with **Reagent D** for 10 minutes.
- 9) Dehydrate, clear in xylene and mount the preparation.

See our web site at www.gennova-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:

Melanin	Black
Nuclei	Red

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 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



Catalog number



Batch code



In Vitro diagnostic medical device



Temperature limitation



Expiration date



Test number



Manufacturer



See instruction for use



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2 of 2

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:

Gortner RA. On two different types of melanin. Proc. Soc. Exp. Biol. Med., 9: 120; 1912
Grasso R. Nuevos aportes para el esclarecimiento de les celulas argentafines. Inst Invest Cienc. Biol Publ (Montevideo) 1951; 1:241-269.
Masson P. Carcinoids (Argentaffin-Cell Tumor) and Nerve Hyperplasia of the Appendicular Mucosa. Am J Path 1928; 4: 181-211

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