

Orcein (for elastic fibres), Kit

Reference: AP0258



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INTENDED USE AND PRESENTATION:

For *in vitro* diagnostic use.

AP0258. 100 Tests.

APPLICATIONS:

The Orcein (for elastic fibres) kit was designed to demonstrate elastic fibers in tissue sections; recommended for vascular pathology. 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 Orcein (for elastic fibres) kit is composed by:

Reagent	Name	Volume	Storage
A	Potassium permanganate solution	30 mL	15-25 °C
B	Acid activation buffer	30 mL	15-25 °C
C	Oxalic acid solution	30 mL	15-25 °C
D	Alcoholic solution	30 mL	15-25 °C
E	Orcein solution according to Shikata	30 mL	15-25 °C
F	Differentiation solution	30 mL	15-25 °C

METHODS AND PROCEDURE:

Specimen: Paraffin-embedded tissue samples should be used.

Procedure time: 30 minutes.

Staining procedure:

- 1) Deparaffinize and hydrate for paraffin section.
- 2) Put the slide in distilled water.
- 3) Add 5 drops of **Reagent A** and 5 drops of **Reagent B** and leave for 4 minutes.
- 4) Wash with distilled water.
- 5) Place 5 drops of **Reagent C** and leave for 1 minute (until the mixture becomes clear).
- 6) Wash 2 times in distilled water.
- 7) Mix 3 drops of **Reagent D** and 2 drops of **Reagent E**, incubate durante 20 minutes.
- 8) Wash with distilled water.
- 9) Put 5 drops of **Reagent F** and leave for 2 minutes.
- 10) Wash in running water to tap water for 1 minute.
- 11) Dehydrate, clear in xylene and mount.

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:

Elastic fibers	Brown-purplish red
Background	Almost colourless

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 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.



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 I • 41300 San Jose
de La Rinconada • Sevilla, SPAIN
Telefono: +34 954 150767
Fax: +34 955 266494

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

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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:

Humberstone GCW, Humberstone FD. An elastic tissue stain. J Med Lab Technol 1969; 26: 99.

Moore GW. An improved elastic stain. Bull Inst Med Lab Technol 1943; 9.

Verhoeff FH. Some new staining methods of wide applicability. Including a rapid differential stain for elastic tissue. J Amer Med Ass 1908; 50: 876.

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El Caamo 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