Weigert quick method (for elastic fibres), Kit

Reference: AP0306

INTENDED USE AND PRESENTATION:

For *in vitro* diagnostic use.
AP0306. 100 Tests.

APPLICATIONS:

The Weigert quick method (for elastic fibres) kit was designed to show elastic fibres 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 Weigert quick method (for elastic fibres) kit is composed by:

Reagent	Name	Volume	Storage
A	Periodic acid solution	30 mL	15-25 °C
B	Alcoholic solution	30 mL	15-25 °C
C	Weigert´s resorcin fuchsine solution	30 mL	15-25 °C
D	Acid differentiation buffer solution	30 mL	15-25 °C
E	Carmalum according to Mayer	30 mL	15-25 °C

METHODS AND PROCEDURE:

Principles of the method: The method is based on the affinity towards elastic fibers displayed by the dye resulting from a reaction between resorcin and basic fuchsin in the presence of ferric chloride. Since this is not an absolutely specific method, other structures such as collagen and basal membranes might be stained. Therefore it is essential to differentiate carefully in order to obtain a selective marked staining of elastic fibers.
Specimen: Paraffin-embedded tissue samples should be used.
Procedure time: 50 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 5 minutes.
4) Rinse in distilled water.
5) Prepare the incubation chamber: at the base of the chamber or Petri dish put 20 drops of **Reagent B**. Insert the glass and put 2 to 5 drops of **Reagent C** in the section. Close and incubate for 30 minutes.
6) Rinse in distilled water.
7) Put on the section 2-5 drops of **Reagent D** and leave to act 2 minutes.
8) Wash in running tap water 5 minutes.
9) Rinse in distilled water.
10) Put on the section 2-5 drops of **Reagent E** and leave to act 5 minutes.
11) Rinse in distilled water.
12) Dehydrate in alcohols of increasing clear in xylene and mount 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:

Elastic fibers	Purplish red-brown
Nucleus	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 H_2O, pipettes, Coplin jars, glass jars, moist chamber, histological baths, mounting materials, and microscope.
Buffered solutions for and other auxiliary reagents are available from Gennova 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

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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.
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:
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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.
Weigert C. Ueber eine Methode zur Farbung elasticher Farsen. Zbl allg Path Anat 1898; 9: 289.

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

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