

# Van Gieson Trichrome, Kit

Reference: AP0153



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## INTENDED USE AND PRESENTATION:

For *in vitro* diagnostic use.

AP0153. 100 Tests.

## APPLICATIONS:

The Van Gieson Trichrome kit was designed to show connective tissue, especially to differentiate collagen fibers.

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 Van Gieson Trichrome kit is composed by:

Reagent	Name	Volume	Storage
A	Weigert's iron hematoxylin A	30 mL	15-25 °C
B	Weigert's iron hematoxylin B	30 mL	15-25 °C
C	Van Gieson Picrofuchsine solution	30 mL	15-25 °C

## METHODS AND PROCEDURE:

**Principles of the method:** Three different dyes are used: Weigert's iron hematoxylin for nuclei, picric acid for cytoplasm and acid fuchsine for collagen.

**Specimen:** Paraffin-embedded tissue samples should be used.

**Procedure time:** 22 minutes.

### Staining procedure:

- 1) Deparaffinize and hydrate for paraffin section.
  - 2) Put on the section 2- 5 drops of **Reagent A** and add 2-5 drops of **Reagent B** leave to act 10 minutes.
  - 3) Blue in running tap water for 5 minutes.
  - 4) Put on the section 2-5 drops of **Reagent C** leave to act 1 minute.
  - 5) Wash in distilled water.
  - 6) Dehydrate in alcohols of increasing clear in xylene and mount preparation.
- See our web site at [www.gennova-europe.com](http://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:

Nuclei	Black
Collagen fibers	Purplish red
Cytoplasm, smooth and striated muscle, cornified epithelium, neuroglia and erythrocytes	Yellow

## 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<sub>2</sub>O, 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.

## 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.



Catalog number



Batch code



In Vitro diagnostic medical device



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Temperature limitation



Expiration date



Test number



Manufacturer



See instruction for use

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## 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:

Van Gieson I. Laboratory notes of technical methods for the nervous system. New York Med J 1889;50:57-60  
Weigert K. Eine kleine Verbesserung der Haematoxylin- Van Gieson- Methode. Ztschr wiss Mikr 1904; 21:1-5  
Mallory FB. Pathological technique. Philadelphia W.B. Saunders Company, 1938.  
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Catalog number



Temperature limitation



Manufacturer



Batch code



Expiration date



See instruction for use



In Vitro diagnostic medical device



Test number



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