

Azan Trichrome, Kit

Reference: AP0239



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INTENDED USE AND PRESENTATION:

For *in vitro* diagnostic use.

AP0239. 100 Tests.

APPLICATIONS:

The Azan Trichrome kit was designed to show connective tissue, especially muscle and glial fibres, collagen, reticulum, kidney glomerular stroma, erythrocytes and nuclear chromatin 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 Azan Trichrome kit is composed by:

Reagent	Name	Volume	Storage
A	Azocarmine Heidenhain solution	30 mL	15-25 °C
B	Aniline-alcohol solution	30 mL	15-25 °C
C	Acid alcohol solution	30 mL	15-25 °C
D	Phosphomwolframic acid solution	30 mL	15-25 °C
E	Mallory polychrome solution	30 mL	15-25 °C

METHODS AND PROCEDURE:

Principles of the method: In this method two acid dyes are used: azocarmine and aniline blue. A cytologic stain with azocarmine is combined with a counterstain with aniline blue, after mordanting with phosphotungstic acid.

To obtain good results, it is necessary to over stain with azocarmine, then slowly differentiate with aniline-alcohol to prevent counterstain from covering stained muscle, collagen, etc.

Specimen: Paraffin-embedded tissue samples should be used.

Procedure time: 120 minutes.

Staining procedure:

- 1) Deparaffinize and hydrate the section.
- 2) Put slides in distilled water.
- 3) Add 5 drops of **Reagent A** and incubate in humidity chamber at 56°C by 30 minutes. Then, incubate 5 minutes to RT.
- 4) Wash in distilled water.
- 5) Stain slides during one minute with 5 drops of **Reagent B**.
- 6) Drain the slides and, without wash, put 5 drops of **Reagent C** by 1 minute.
- 7) Drain the slides and, without wash, put 5 drops of **Reagent D** and leave to act for 30 minutes.
- 8) Drain the slides and, without wash, put 5 drops of **Reagent E** and leave to act for 30 minutes.
- 9) Wash in distilled water.

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:

Collagen, reticulum, basophil cells granules of hypophysis, juxtglomerular granules and kidney glomerular estroma	Deep blue
Neuroglia	Reddish
Muscle	Orange
Chromatin, erythrocytes and acidophil granules of hypophysis	Red
Cytoplasmatic granules of hypophysis delta cells	Light blue

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



Catalog number



Batch code



In Vitro diagnostic medical device



Temperature limitation



Expiration date



Test number



Manufacturer



See instruction for use



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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:

Mallory FB. Pathological technique. Philadelphia, WB Saunders Company 1938; pp. 72, 76-88, 111-116, 152-177, 193-194, 206-212, 281.
McGregor L. The finer histology of the normal glomerulus. Am J Path 1929; 5: 545-558.
Lee-Brown RK, Laidley JWS. Some observations on the microscopical anatomy of the kidney. J Urol 1929; 21: 259-274.

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