DIAPATH

Acid orcein

Kit to highlight elastic fibers

CE IVD

Manufacturer: Diapath S.p.A.

Use

Reagents for in vitro diagnostic use

Code	Test	Reagents	Code	Packaging
		Potassium Permanganate 0.15%	G080AA	1x30ml
		Sulfuric acid 0.5% acc. Mallory	G004AA	1x30ml
010251	100	Oxalic acid 1.5%	G081AA	1x30ml
		Acid orcein acc. Shikata	C053AA	1x30ml
		Jenkins reagent	D001AA	1x30ml

Description

The kit is intended for use in histological visualization of elastic fibers with acid orcein.
If used to visualize Australia Antigen (HBSAg) specific of hepatitis B virus, the result must always be supported by immunohistochemical investigation. The elastic fibers are visualized by different special stains. The protocol with orcein is particularly simple.

Specimen and preparation kind

- Preparation: paraffin section
- Suggested fixative: formalin
- Control: liver
- Storage temperature +15°/+25°C
- Procedure time: 50 min
- Critical step: the differentiation with Jenkins reagent

Staining protocol

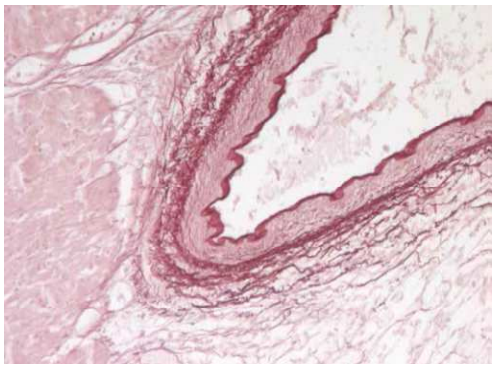
Drain reagents directly on section in a way to cover it completely.
To avoid section excessive drying, use an incubator box.

1. Deparaffinize and hydrate to distilled water
2. Cover the sections with 5 drops of **Potassium Permanganate 0.15%** + 5 drops of **Sulfuric acid 0.5% acc. Mallory** for 10 minutes
3. Wash in distilled water
4. Cover the sections with **Oxalic acid 1.5% acc. Mallory** until they turns white
5. Wash in distilled water
6. Wash in running tap water for 3 minutes
7. Cover the section with **Acid orcein acc. Shikata** for 30 minutes (to highlight HBSAg incubate for 3 hours)
8. Wash in running tap water for 5 minutes
9. Cover the section with **Jenkins reagent** for 30 seconds

Dehydrate quickly, clear and mount with balsam

Results

Elastic fibers and HBSAg: Red - Brown



Quality control

The products and the raw materials are entered and constantly monitored by computer systems that allow traceability between batch number of each single product and batches of their raw materials.

Instructions of use

To avoid mistakes, the product should be used by qualified and trained staff. Professional use product. The guidelines concerning safety on the workplace must be applied according to current regulations. The tools used for diagnosis must be suitable for diagnostic use in laboratory. The diagnosis should be performed only by authorized, trained and competent staff. Control sections should be used during each test to avoid incorrect results.

Storage

Store the product according to the specifications listed on the label. The product, if opportunely stored and integrally packed, is stable up to the expiry date reported on the label. Do not use after expiration date.
If the reagent is not stored as recommended, its performance may change and must be validated by the user. After opening, the reagent is stable up to expiration date but only if stored in its container and in accordance with the specifications listed on the label. It is recommended to close the container tightly after the use.

Disposal instruction

The expired and/or unused product must be disposed according to local waste regulations, based on danger classification on the label and after possible contaminations evaluation. In some cases it may be necessary an analytical evaluation to determine the correct waste classification and the danger features.

Labeling legend

For more information see the MSDS.