

P.T.A.H. Phosphotungstic acid hematoxylin*Stain to differentiate smooth and striated muscular tissue***Manufacturer: Diapath S.p.A.**

Code	Test	Reagents	Code	Packaging
		Potassium permanganate sol. 0.5% acc. Mallory	G012AA	1x30 ml
010239	100	Sulfuric acid 0.5% acc. Mallory	G004AA	1x30 ml
		Oxalic acid acc. Mallory	G027AA	1x30 ml
		Phosphotungstic acid hematoxylin (P.T.A.H) acc. Mallory	C024AA	1x100 ml

Description

The kit supplies reagents for staining with phosphotungstic acid hematoxylin used to highlight smooth and striate muscular tissue and central nervous system (CNS) parts.

Specimen and preparation kind

- Preparation: paraffin section
- Suggested fixative: formalin
- Control: muscular and nervous tissue
- Storage temperature: +15°/+25°C
- Procedure time: 12 h + 15 min. with overnight incubation
- Critical step: do not dry slides during overnight incubation

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. 5 drops of **Potassium permanganate sol. 0.5% acc. Mallory** and 5 drops of **Sulfuric acid 0.5% acc. Mallory** for 5 minutes
3. Wash in distilled water
4. **Oxalic acid** for 5 minutes
5. Wash in distilled water
6. Dip slides into **Phosphotungstic acid hematoxylin (P.T.A.H)*acc. Mallory** with overnight incubation at room temperature
7. Wash in distilled water for 3-4 seconds
8. Differentiate quickly, xylene or substitutes. Mount with balsam

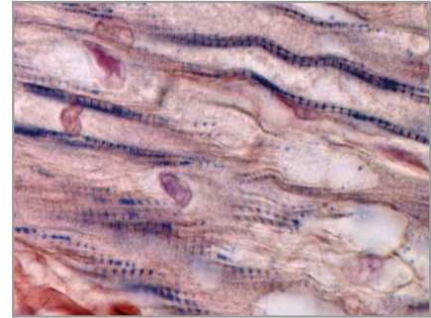
*The **Phosphotungstic acid hematoxylin (P.T.A.H)** can be used again after filtration.

DIAPATH

Results

Keratin, erythrocytes, nuclei,
fibrin, intracellular bridges of squamous cells,
myofibrils, bile canaliculi, neuroglia,
elastic fibers, pancreas cells,
myelinic fibers:
Collagen, reticular fibers, mucins and fibrinoid:
Elastic collagen:

Bark blue
Red
Yellow



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



Batch n.



Manufacturer



Storage temperature limits



Product code



Expiry date



In vitro diagnostic medical device



Photosensitive

For more information see the MSDS.