

# P.T.A.H. - phosphotungstic acid hematoxylin



**IVD** In-vitro diagnostic medical device  
**BASIC UDI: 080339762W01030708X8**  
 IVD in **Classe A**, Reg. UE 2017/746

Catalog number	Unit size	UDI-DI
05-10017/L	1 l	08033976232573

**Packaging** Primary container: white bottle in High Density Polyethylene (HDPE). Useful capacity 1 l. HDPE cap. Tamper evident cap.

Wear, water, alcohol and solvents resistant PVC label. Scratchproof ink resistant to water and alcohol.

**Expected aim** Product for the preparation of cyto-histological samples for optical microscopy.

**Application** Reagent for detection of nuclei, neuroglia and myofibrils. Excellent to differentiate smooth from striated muscular tissue.

**Principle** Phosphotungstic acid acts as an acid carrier for the dye; it attaches to fibrin and to tissue elements with both chemical and physical links.

- Method**
- 1) Sections to water
  - 2) Potassium permanganate 0.5% + Sulfuric acid 0.5%, 5 minutes
  - 3) Wash in distilled water
  - 4) Oxalic acid solution 1%, 5 minutes
  - 5) Wash in distilled water
  - 6) Phosphotungstic hematoxylin Overnight
  - 7) Wash rapidly in distilled water
  - 8) Dehydrate
  - 9) Clearing agent and mount

**Results** Nuclei, neuroglia, fibrin and myofibrils : dark blue  
 Collagen, cartilage : brick red

**Components**

Components	CAS	CE	Index
Hematoxylin C.I. 75290	517-28-2	2082373	-
Phosphotungstic acid	12501-23-4	215-682-7	-
Deionized water			

<b>Warning and precaution</b>	The product is intended for professional laboratory use for healthcare professionals. Carefully read the information on the label (danger symbols, risk and safety phrases) and always consult the safety data sheet. Do not use if the primary container is damaged. In the event of a serious accident, we recommended that you immediately inform Bio-Optica Milano S.p.A and the competent authorities.
<b>Storage</b>	Store the preparation at 15-25°C. Keep the containers tightly closed.
<b>Stability</b>	After the first opening, the product is reusable until the expiry date, if correctly stored. Validity: 2 years.
<b>Disposal</b>	Hazardous preparation: observe all state and local environmental regulations regarding waste disposal.
<b>References</b>	

REVISION N°	REASON	REVISION DATE
001	Regulation adjustment UE 2017/746 - IVDR	16/05/2022