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

**IVD** In-vitro diagnostic medical device

CND Code: W01030708

<table>
<thead>
<tr>
<th>Catalog number</th>
<th>Unit size</th>
</tr>
</thead>
<tbody>
<tr>
<td>05-B10017</td>
<td>150 ml</td>
</tr>
<tr>
<td>05-10017/L</td>
<td>1 l</td>
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</tbody>
</table>

**Packaging**
- 05-B10017
  Primary container: white bottle in High Density Polyethylene (HDPE). Useful capacity 150 ml. HDPE cap. Tamper evident cap.
- 05-10017/L
  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**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS</th>
<th>CE</th>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hematoxylin</td>
<td>C.I. 75290</td>
<td>517-28-2</td>
<td>2082373</td>
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<tr>
<td>Phosphotungstic acid</td>
<td>12501-23-4</td>
<td>215-682-7</td>
<td>-</td>
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<tr>
<td>Deionized water</td>
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**Warning and precaution**
The product must be used exclusively by specialized technical operators.
Carefully read the information on the classification of dangerous substances on the label. Always refer to the safety data sheet where are available the information on the risks presented by the mixture, the precautionary measures during use, the measures first aid and the intervention in the event of accidental release.
Do not use if the primary container is damaged.

**Storage**
Store the preparation at 15-25°C. Keep the containers tightly closed.

**Stability**
After the first opening, the product is usable until the expiry date, if correctly stored. Validity: 2 years.

**Disposal**
Hazardous preparation: observe all state and local environmental regulations regarding waste disposal.
