Weigert rapid stain – Fuchsin resorcin

In-vitro diagnostic medical device
CND Code: W01030708

<table>
<thead>
<tr>
<th>Catalog number</th>
<th>Unit size</th>
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<tbody>
<tr>
<td>05-B11003</td>
<td>150 ml</td>
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<tr>
<td>05-11003/L</td>
<td>1 l</td>
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</tbody>
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Packaging
- 05-B11003
  Primary container: white bottle in High Density Polyethylene (HDPE). Useful capacity 150 ml. HDPE cap. Tamper evident cap.
- 05-11003/L
  Primary container: white bottle in High Density Polyethylene (HDPE). Useful capacity 500 ml. 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 elastic fibers in tissue sections; excellent for vascular pathology.

Cytoplasmatic staining is accompanied by nuclear staining with Weigert's iron hematoxylin.

Principle
The method is based on the affinity towards elastic fibers displayed by the dye resulting from a reaction between resorcin and basic fuchsin in the presence of ferric chloride. Since this is not an absolutely specific method, other structures such as collagen and basal membranes might be stained. Therefore it is essential to differentiate carefully in order to obtain a selective marked staining of elastic fibers.

Method
Cytoplasmatic staining
1) Sections to water
2) Periodic acid solution 5 minutes
3) Weigert's fuchsin resorcinol 30 minutes
4) Wash rapidly in distilled water
5) Differentiate in acid buffer 2 minutes
6) Wash in tap water 5 minutes
7) Dehydrate rapidly
8) Clearing agent and mount

Results
Elastic fibers ........................................... brown purple

Components
<table>
<thead>
<tr>
<th>Components</th>
<th>CAS</th>
<th>CE</th>
<th>Index</th>
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</thead>
<tbody>
<tr>
<td>Basic fuchsin</td>
<td>632-99-5</td>
<td>2111896-</td>
<td>-</td>
</tr>
<tr>
<td>Resorcinol</td>
<td>108-46-3</td>
<td>2035852-</td>
<td>604-010-00-1</td>
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<tr>
<td>Iron (III) chloride</td>
<td>10025-77-1</td>
<td>2317294-</td>
<td>-</td>
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<tr>
<td>Hydrochloric acid</td>
<td>7647-01-0</td>
<td>2315967-</td>
<td>017-002-00-2</td>
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<tr>
<td>Ethanol 95°</td>
<td>64-17-5</td>
<td>2005786-</td>
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</table>

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 room temperature. Keep the containers tightly closed.
Stability
After the first opening, the product is usable until the expiry date, if correctly stored. Product validity: 2 years.

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

References

Date of issue: May 2013