

Iron hematoxylin Weigert - solution B - nuclear staining

IVD In-vitro diagnostic medical device **CE**

CND Code: W01030708

Catalog number	Unit size
05-B06008B	150 ml
05-06008B/L	1 l

Packaging	<p>- 05-B06008B Primary container: white bottle in High Density Polyethylene (HDPE). Useful capacity 150 ml. HDPE cap. Tamper evident cap.</p> <p>- 05-06008B/L Primary container: white bottle in High Density Polyethylene (HDPE). Useful capacity 1 l. HDPE cap. Tamper evident cap.</p> <p>Wear, water, alcohol and solvents resistant PVC label. Scratchproof ink resistant to water and alcohol.</p>																
Expected aim	Product for the preparation of cyto-histological samples for optical microscopy.																
Application	<p>Component B of the nuclear staining Iron hematoxylin Weigert.</p> <p>The complete dye is constituted of Iron hematoxylin Weigert -solution A- and Iron hematoxylin Weigert -solution B -, used in equal parts.</p> <p>The method is excellent to evidence nuclei in trichrome staining.</p>																
Principle	<p>Unlike hemalums, iron hematoxylin procedure uses ferric chloride as mordant. Since hematoxylin solution and ferric solution form an unstable complex, they are mixed just before use.</p> <p>Iron hematoxylin is usually chosen for trichromic methods for 2 reasons:</p> <ul style="list-style-type: none"> - its brownish-black nuclear stain makes it easier to differentiate nuclei when a trichromic method includes other blue dyes. - it resists the action of picric acid, which is commonly used in trichromic methods and would decolorise nuclei stained with hemalum. 																
Method	<ol style="list-style-type: none"> 1) Sections to water 2) Iron hematoxylin, A + B solution (1 : 1)* 10 minutes 3) Wash in distilled water 4) Proceed according to the method chosen for evidencing cytoplasmatic structures 5) Dehydrate 6) Clearing agent and mount <p>*The solution can be reused for about 1 week</p>																
Results	Nuclei.....black																
Components	<table border="1"> <thead> <tr> <th>Components</th> <th>CAS</th> <th>CE</th> <th>Index</th> </tr> </thead> <tbody> <tr> <td>Hematoxylin</td> <td>517-28-2</td> <td>2082373</td> <td>-</td> </tr> <tr> <td>Ethanol 95°</td> <td>64-17-5</td> <td>2005786</td> <td>602-002-00-5</td> </tr> <tr> <td>Deionized water</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Components	CAS	CE	Index	Hematoxylin	517-28-2	2082373	-	Ethanol 95°	64-17-5	2005786	602-002-00-5	Deionized water			
Components	CAS	CE	Index														
Hematoxylin	517-28-2	2082373	-														
Ethanol 95°	64-17-5	2005786	602-002-00-5														
Deionized water																	
Warning and precaution	<p>The product must be used exclusively by specialized technical operators.</p> <p>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.</p> <p>Do not use if the primary container is damaged.</p>																
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.
- References**
- American forces Institute of Pathology: Manual of histologic and special staining technics, Washington D.C., A.F.I.P., pp. 206; 1957
 - Lillie R. D.: Further experiments with the Masson trichrome modification of Malloty's connective tissue stain, Stain Technol., 15: 82; 1940

Date of issue: May 2013