

Heidenhain's haematoxylin technical's information's
Technical card code 09-189
Product code 09-189
Pack 100-200 ml or on request
Stability of product properly conserved at 15-20°C 24 months
CND code W01030799

Produce in Italy by:
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For emergency contact your nearest anti-poison unit.

Heidenhain's haematoxylin. This is a classic procedure that stains nuclei a blue-black to brown-black colour. It is time consuming but the stain is durable, actually improving with age.

Method for tissue sections

1. Deparaffinised and take slides to water
2. Stain with Heidenhain haematoxylin from 30 minutes to overnight.
3. Rinse in slowly running tap water for 30 minutes.
4. Counterstain in Eosin for 2-3 minutes.
5. Dehydrate
6. Clear with xylol
7. Mount with DdMount

Result

Nuclei stain blue-black to brown against a clear cytoplasm.

Notes

Sections should be treated with picro-mercuric chloride if formol sublimate or similar fixation was not used initially. The ferric chloride should be the hexahydrate crystals. Sections thicker than 4 µm may need the elastic stain differentiated by treating with 1% aqueous ferric chloride for 20-30 seconds, then washing well with tap water. Although the iodine content of the Verhoeff elastic stain component may remove any mercury pigment, in methods such as this some technologists prefer to apply the iodine-thiosulphate sequence before staining.

For professional use only.

In order to avoid errors, the staining process must be carried out by qualified personnel. National guidelines for work safety and quality assurance must be followed. Microscopes equipped according to the standard must be used. Protection against infection. Effective measures must be taken to protect against infection in line with laboratory guidelines. Instructions for disposal. Used solutions and solutions that are past their shelf-life must be disposed of as special waste according to local disposal guidelines.

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