



Iron hematoxylin Weigert - solution A

Nuclear staining



In-vitro diagnostic medical device

BASIC UDI: 080339762W01030708X8

IVD in **Classe A**, Reg. UE 2017/746

| Catalog number | Unit size | UDI-DI |
|----------------|-----------|----------------|
| 05-B06008A | 150 ml | 08033976233174 |
| 05-06008A/L | 1 l | 08033976230005 |

Packaging

- 05-B06008A

Primary container: white bottle in High Density Polyethylene (HDPE). Useful capacity 150 ml. HDPE cap. Tamper evident cap.

- 05-06008A/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

Component A of the nuclear staining Iron hematoxylin Weigert.

The complete dye is constituted of Iron hematoxylin Weigert -solution A- and Iron hematoxylin Weigert - solution B -, used in equal parts. Solution A acts as mordant.

The method is excellent to evidence nuclei in trichrome staining.

Principle

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.

Iron hematoxylin is usually chosen for trichromic methods for 2 reasons:

- 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

- 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

*The solution can be reused for about 1 week

Results

Nuclei : black

Components

| Components | CAS | CE | Index |
|---------------------|------------|---------|--------------|
| Iron (III) chloride | 10025-77-1 | 2317294 | |
| Hydrochloric acid | 7647-01-0 | 2315957 | 017-002-00-2 |
| Deionized water | | | |

Warning and precaution

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.

Storage

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

Stability

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

Disposal

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

References

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