MUCICARMINE
Mayer
04 - 190812

In-vitro diagnostic medical device

CND Code: W01030799

number of tests ............................... 100
procedure time ............................. 50 minutes
product validity ............................ 1 year
storage temperature ....................... 15-25 °C
complementary equipment ............... graduated pipette

Expected aim
Product for the preparation of cyto-histological samples for optical microscopy.

Application
To show acid mucopolysaccharides of epithelial origin (mucins) in histologic sections. Mucicarmine is comparatively specific; in fact mucins derived from fibroblasts stain poorly.

Principle
This is an empirical method and its histochemical principle is unknow. In Burck’s opinion, the glucidic part of mucines reacts with carmine.

Method
1) Bring section to distilled water.
2) Put on the section 10 drops of reagent A: leave to act for 5 minutes.
3) Wash in distilled water.
4) Blue in running tap water for 5 minutes.
5) Put in the vial 0,5 ml of distilled water and add 10 drops of reagent B, shake and put the obtained solution on the section: leave to act 30 minutes.
6) Wash in distilled water.
7) Put on the section 10 drops of reagent C: leave to act for 1 minute.
8) Wash in distilled water.
9) Dehydrate rapidly through ascending alcohols, stopping in the last absolute ethanol, clear in xylene and mount.

Results
Mucins ............................................ deep pink to red
Nuclei ............................................ blue-violet
Other components ................................ orange

Reagents
A) Mayer’s hemalum ................................................................. 30 ml
B) Mayer’s Mucicarmine ......................................................... 30 ml
C) Orange G solution ............................................................... 30 ml

Warning and precaution
The product must be used exclusively by specialized technical operators. The product is classified as hazardous. Read with attention the information written on the label (dangerous symbols, risks and safety phrases). Consult always the safety data sheet where the information about the risks of the preparation, precautionary measures during use, first aid and disposal are available. Do not use if primary packaging 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.

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


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