P.A.S. Picro indigocarmine
Morel - Maronger modified
04 - 131802

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

Application
For the demonstration of tissue components characterised by adjacent glycol or aminohydroxy groupings and connective tissue.

Principle
The method associates to one reaction P.A.S. a contrast that is taken advantage of the metachromatic property of the indigocarmine, that is an anionic stain and its metachromasia is due to the iso-electric point and the pH of the chromotropic; the dyeing property of picric acid add to these (erythrocyte).

Method
1) Bring section to distilled water.
2) Put on the section 10 drops of reagent A, leave to act 10 minutes.
3) Wash in distilled water.
4) Put on the section 10 drops of reagent B, leave to act 15 minutes.
5) Rinse in distilled water.
6) Put on the section 10 drops of reagent C, leave to act 2 minutes.
7) Drain and without washing put on the section 10 drops of reagent D, leave to act 3 minutes.
8) Rinse in distilled water and wash in running tap water 5 minutes.
9) Put on the section 5 drops of reagent E: leave to act 5 minutes.
10) Dehydrate quickly through ascending alcohols, clear in xylene and mount.

Results
P.A.S. positive substances ............................................................... Magenta red
Connective tissue ................................................................................................. Blue green
Muscle, horny layer of the skin, nevroglia fibers and erytrocytes ................................... Yellow-green

Reagents
A) Periodic acid solution ................................................................................................. 30 ml
B) Schiff Reagent Hotchkiss - McManus ............................................................................. 30 ml
C) Potassium metabisulphite solution ............................................................................... 30 ml
D) Fixative solution .......................................................................................................... 30 ml
E) Picric indigo carmine solution .................................................................................... 30 ml

Warning and precaution
The product must be used exclusively by specialized technical operators.
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 2 - 8 °C. 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

- Morel - Marongen: (metodo non pubblicato) I.N.S.E.R.M. Hopital Tenon, Paris

Date of issue: February 2014