

Perls Stain Kit

IN VITRO DIAGNOSTIC DATASHEET

This kit is used to demonstrate Ferric Salts in Tissue Sections.

INTENDED USE : IN VITRO DIAGNOSTIC USE

DESCRIPTION :

This method is considered to be the first classical histochemical reaction. Treatment with an acid ferrocyanide solution will result in the unmasking of ferric iron in the form of hydroxide, $Fe(OH)_3$, by dilute hydrochloric acid. The ferric iron then reacts with a dilute potassium ferrocyanide solution to produce an insoluble blue compound, ferric ferrocyanide (Prussian Blue).

SPECIMEN COLLECTION :

Avoid the use of acid fixatives. Chromates will also interfere with the preservation of the iron. The recommended fixative is Buffered Formalin 10%.

REAGENTS :

Hydrochloric Acid Solution 2% (Perls A)
Potassium Ferrocyanide Solution 2% (Perls B)
Neutral Red Solution 0.5%

150 TEST

1x 50ml
1x 50ml
1x 50ml

** Number of TEST calculated according to 330 microliter per slide.*

CATALOG NO :

PLKit16-150

MICROBIOLOGICAL STATE : This product is not sterile.

PROCEDURE TIME : Approximate 30 minute.

Preparation of Perls Ferrocyanide Solution

Perls A 5ml

Perls B 5ml

Mix immediately before use. Must be freshly prepared for staining. Amount of A & B solution used depends on number of slides to be stained. Store in Fridge.

PROTOCOL :

1. Bring sections to tap water and rinse well in distilled water
2. Treat slides with Perls ferrocyanide solution for 30 minutes.
3. Wash in running tap water.
4. Rinse in distilled water
5. Stain with neutral red solution for 5 minutes
6. Wash rapidly in distilled water and blot dry.
7. Dehydrate rapidly in alcohols, clear and mount

RESULTS :

Nuclei : Red
Ferric Iron : Blue

STORAGE AND STABILITY : This product is stable for 36 months when stored in +15 /+25 C

TROUBLESHOOTING : Please contact Patolab Technical Support by e-mail (patolab@patolab.com.tr).