medilines

Perls' Iron Colour

Perls' Prussian Blue

DESIGN TO DEMONSTRATE

Deposits of Hemosiderin

REAGENTS & PREPARATIONS

Perl Solution A
Perl Solution B
Perl Solution 1

Mix

Perl Solution A	1 volume
Perl Solution B	1 volume

Solution should be made immediately before use.

Perl Solution 2	Ready to use
Perl Solution 3	Ready to use

TISSUE SAMPLE

4-5µ paraffin sections of neutral buffered formalin fixed tissue are suitable. Avoid iron containing materials and jars while fixing as these may contaminate the tissue. Acid containing fixatives may remove some of the iron deposits, but apart from that most are satisfactory.

STAINING PROCEDURES

1. Remove Paraffin and bring sections to distilled water.
2. Place into the **Perl Solution 1** for 30 minutes at 60°C or 1 hour at room temperature.
3. Rinse in distilled water.
4. Counterstain with **Perl Solution 2** for 2-3 minute.
5. Wash in **Perl Solution 3** or Rinse well with distilled water.
6. Dehydrate with absolute alcohol
7. Clear in xylene. Mount in synthetic resin

EXPECTED RESULTS

Ferric iron	– blue or Green
Nuclei	– red
Background	– pink

Notes

1. Avoid washing with tap water before placing into the **Perl Solution 1**, as rust in the water or tap fixtures could cause false positive staining.

Reference

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