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Colloidal Iron Stain Kit

Catalog No.	BP2894 100 test
Introduction	The Colloidal Iron Stain Kit demonstrates acid mucopolysaccharides. It is suitable for any well fixed paraffin embedded tissue cut at 5 microns.
Format	Kits consists of Acetic acid (12% - 1 pint), Hydrochloric acid (3% - 100ml), Potassium Ferrocyanide (3% - 100ml), Colloidal Iron Stock (100ml), and Van Gieson's Stain (100ml)
Use	For acid mucopolysaccharide staining.
Storage	Store at room temperature.
Expiry	Do not use beyond expiration date indicated on the product label.

SOLUTIONS

Working Colloidal Iron Solution:

Glacial Acetic Acid	5ml
Distilled Water	15ml
Colloidal Iron Stock	20ml

NOTE: Prepare just before use; mix thoroughly!

Working Iron Stain Solution:

3% Hydrochloric Acid	20ml
3% Potassium Ferrocyanide	20ml

NOTE: Prepare just before use; mix thoroughly!

Protocol

1. Deparaffinize slide with Xylene or Xylene Substitute and hydrate through alcohols to tap water.
2. Place slide in 12% **ACETIC ACID** for 30 seconds. *(Use Once!)*
3. Place slide in **WORKING COLLOIDAL IRON SOL**. for 30 minutes. Agitate several times. *(Use Once!)*
4. Rinse slide through 3 changes of 12% **ACETIC ACID** for 2 minutes each. *(Use Once!)*
5. Place slide in **WORKING IRON STAIN SOL**. for 10 minutes. Agitate several times. *(Use Once!)*
6. Rinse slide through 3 changes of Distilled water.
7. Place slide in **VAN GIESON'S STAIN** for 30-45 seconds.
8. Dehydrate slide through 3 changes of fresh Absolute Alcohol.
9. Clear slide through 3 changes of fresh Xylene or Xylene Substitute.
10. Coverslip using a permanent mounting media

Results

Acid mucopolysaccharides: **BRIGHT BLUE**
Collagen: **SHADES OF RED**

Use of the C.E.M. Stain Kit does not guarantee the successful outcome of any histological staining analysis.
Optimal dilution and reaction conditions to be determined by investigator usage.