626 Wilshire Blvd, Suite 410 Los Angeles, CA 90017 - Tel. +1 (408) 580-1396 www.genebiosolution.com

Colloidal Iron Stain Kit

Description: The Colloidal Iron Stain Kit is designed for the histological visualization of acid mucopolysaccharides.

Acid Mucopolysaccharides:	Blue
Collagen:	Red-Purple

Uses/Limitations:
For In-Vitro Diagnostic use only.
Histological applications.
Do not use past expiration date.
Use caution when handling these reagents.

Control Tissue:
Colon
Small Intestine

Availability/Contents:

Kit Contents	Volume	Storage
Acetic Acid Solution (12%)	500 ml	15-30°C
Hydrochloric Acid Solution (1N)	125 ml	15-30°C
Potassium Ferrocyanide Solution (3%)	125 ml	15-30°C
Colloidal Iron Stock Solution	125 ml	15-30°C
Van Gieson's Solution	125 ml	15-30°C

Precautions:
This product is a single-use, non-sterile, in vitro diagnostic device.
Avoid contact with skin and eyes.
May cause burns.
Harmful if swallowed.
Follow all Federal, State, and local regulations regarding disposal.
Use in chemical fume hood whenever possible.

Prepare the Following Solutions Immediately Before Use.

Working Colloidal Iron Solution:

5 ml	Acetic Acid Solution (12%)
15 ml	Distilled Water
20 ml	Colloidal Iron Stock Solution

Working Iron Stain Solution:

20 ml	Hydrochloric Acid Solution (1N)
20 ml	Potassium Ferrocyanide Solution (3%)

Gene Biosolution
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Procedure (Standard):

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Place slide in Acetic Acid Solution (12%) for 30 seconds. Use once and discard.
3. Place slide in Working Colloidal Iron Solution for 30 minutes. Agitate solution several times during staining. Use once and discard.
4. Rinse thoroughly in 3 changes of Acetic Acid Solution (12%) for 2 minutes each. Use once and discard.
5. Stain slide in Working Iron Stain Solution for 10 minutes. Agitate solution several times during staining. Use once and discard.
6. Rinse in 3 changes of distilled water.
7. Stain slide in Van Gieson's Solution for 30-45 seconds.
8. Dehydrate in 3 changes of absolute alcohol.
9. Clear, and mount in synthetic resin.

References:

1. Muller, G. ACTA Histochem (Jena); 2:68, 1955