

ScyTek
Laboratories

Instructions For Use
CIK-2-IFU

Rev. Date: April 8, 2011

Revision: 1

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P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Fax (435) 755-0015 - www.scytek.com

Colloidal Iron Stain Kit

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

Acid Mucopolysaccharides: Bright Blue
Collagen: Shades of Red

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:

<u>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
AAK060	Acetic Acid Solution (12%)	60 ml (x2)	18-25 °C
DDH030	Water, Deionized/Distilled	30 ml	18-25 °C
HQA030	Hydrochloric Acid Solution (1N)	30 ml	18-25 °C
PFD030	Potassium Ferrocyanide Solution (3%)	30 ml	18-25 °C
CIS030	Colloidal Iron Stock Solution	30 ml	18-25 °C
VGS030	Van Gieson's Solution	30 ml	18-25 °C

Precautions: 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: 1 Drop Acetic Acid Solution (12%)
3 Drops Water, Deionized/Distilled
4 Drops Colloidal Iron Stock Solution

Working Iron Stain Solution: 5 Drops Hydrochloric Acid Solution (1N)
5 Drops Potassium Ferrocyanide Solution (3%)

Storage: 18° C



25° C



ScyTek Laboratories, Inc.
205 South 600 West
Logan, UT 84321
435-755-9848
U.S.A.



Authorized Representative in Europe
(Regulatory affairs only)
EmergoEurope (31)(0) 70 345-8570
Molsnstraat 15
2513 BH Hague, The Netherlands

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Procedure (Standard):

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Apply 4-6 drops of Acetic Acid Solution (12%) and incubate for 30 seconds.
3. Apply Working Colloidal Iron Solution for 30 minutes. Agitate solution several times during staining. Use once and discard.
4. Rinse thoroughly using 3 changes of Acetic Acid Solution (12%) for 2 minutes each.
5. Apply 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. Apply 4-6 drops of Van Gieson's Solution and incubate 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

Storage: 18° C



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