

Version 2 Last updated 25 June 2018

ab150664 Colloidal Iron (Mucin Stain)

For the Histological visualization of acid Mucopolysaccharides.

This product is for research use only and is not intended for diagnostic use.

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1. Overview

Colloidal Iron (Mucin Stain) (ab150664) is designed for the histological visualization of acid mucopolysaccharides.

Staining Interpretation:

Acid Mucopolysaccharides	Blue
Collagen	Red

Control Tissue: Small intestine, Colon.

2. Materials Supplied and Storage

Store kit at room temperature immediately on receipt and check below for storage for individual components. Kit can be stored for 1 year from receipt.

Keep away from open flame and refer to the safety datasheet.

Item	Quantity	Storage temperature (before prep)
Acetic Acid Solution (12%)	500 mL	RT
Hydrochloric Acid Solution (1N)	125 mL	RT
Potassium Ferrocyanide Solution (3%)	125 mL	RT
Colloidal Iron Stock Solution	125 mL	RT
Van Gieson's Solution	125 mL	RT

3. Materials Required, Not Supplied

These materials are not included in the kit, but will be required to successfully perform this assay:

- Absolute alcohol
- Distilled water

4. General guidelines, precautions, and troubleshooting

Please observe safe laboratory practice and consult the safety datasheet.

For general guidelines, precautions, limitations on the use of our assay kits and general assay troubleshooting tips, particularly for first time users, please consult our guide:

www.abcam.com/assaykitguidelines

For typical data produced using the assay, please see the assay kit datasheet on our website.

5. Staining Protocol

- Equilibrate all materials and prepared reagents to room temperature just prior to use and gently agitate.

5.1 Prepare the following Solutions immediately before use:

1. Working Colloidal Iron Solution.

Component	Volume (mL)
Acetic Acid Solution (12%)	5
Distilled Water	15
Colloidal Iron Stock Solution	20

2. Working Iron Stain Solution

Component	Volume (mL)
Hydrochloric Acid Solution (1N)	20
Potassium Ferrocyanide Solution	20

5.2 Standard Procedure:

1. Deparaffinize sections if necessary and hydrate in distilled water.
2. Cover tissue section with Acetic Acid Solution (12%) for 30 seconds.
3. Place slide in Working Colloidal Iron Solution for 30 minutes with occasional gentle agitation. Use once and discard.
4. Rinse thoroughly in 3 changes of Acetic Acid Solution (12%) for 2 minutes each.
5. Stain slide in Working Iron Stain Solution for 10 minutes with occasional gentle agitation. Use once and discard.
6. Rinse in 3 changes of distilled water.
7. Stain tissue section with Van Gieson's Solution for 30 seconds.
8. Dehydrate in 3 changes of absolute alcohol.
9. Clear and mount in synthetic resin.

6. FAQs / Troubleshooting

General troubleshooting points are found at www.abcam.com/assaykitguidelines.

7. Notes

Technical Support

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