

Mucicarmine Stain Kit

Instruction For Use

IVD



[Product Name]

Mucicarmine Stain Kit

[Catalog No.]

HS2013

[Specification & Components]

Reagent	Main components
A:Mayer hematoxylin solution	hematoxylin
B:carmine red stock solution	carmine red
C:tartrazine solution	tartrazine

[Intended Use]

For In Vitro Diagnostic Use.

Used for tissue cytology staining and thus qualitative detection of acidic mucopolysaccharides in tissue sections.

[Storage and Validity]

Store at 2~8°C away from light, valid for 12 months. Store at 2~8 °C, valid for 18 months. Transportation conditions: no more than 7 days at room temperature. It is recommended to use up it in 6 months after opening, and the cap should be tightened in time after each use to avoid volatilization or deterioration.

[Specimen Requirements]

The tissue are fully fixed and deparaffinized.

Tissue Preparation: Fresh biopsy or surgical samples fixed in 10% neutral buffered formalin for 8 to 24 hours. Extracted, dehydrated, and paraffin embedded according to specifications. Store wax blocks in a ventilated, dry cabinet at room temperature.

Tissue Sectioning: Spread tissue sections (3-5 μm thick) on an adhesive slide.Absorb excess water droplets with hygroscopic paper. Dry at 60°C ±5°C for 30-60 minutes or at 37°C overnight, then cool at room temperature.

[Test Method]

Testing Instrument: Optical microscope

Procedure:

- 1.Routine deparaffinization and hydration.
- 2.Stain with Mayer hematoxylin solution for 10min, rinse with running water, soak in purified water.
- 3.Take a clean container, add 1mL stock solution and 3mL distilled water, mix into carmine mucus diluent, absorb carmine mucus solution and stain for 20-30minutes, then rinse with running water.
- 4.After the filter paper is soaked dry, counterstain with tartrazine solution for 1 minutes, then rinse with running water.
- 5.Dehydrate, transparentize, and sealed with neutral balata.

[Results Interpretation]

The acidic mucus is red to rose red, the nucleus is blue, and other tissues are light yellow.

[Test Limitations]

It is limited to staining and observation of pathological tissue contents.

[Cautions]

- 1.Sections should be dewaxed as clean as possible.
- 2.When staining nucleus with hematoxylin, you should avoid using Ehrlich's hematoxylin, because the dye can lighten the mucus and prevent carmine red staining.
- 3.The carmine mucus solution should be stored in a refrigerator at 4°C. After each use, cover the bottle and put it back in the refrigerator, otherwise it will affect the service life.
- 4.In the test method, after washing with hydrochloric acid aqueous solution for a while, do not wash with water, otherwise it will change the pH value of the solution and cause non-specific staining.
- 5.There is no counterstaining in this method. If you need to counterstain the nucleus, you can use nuclear fast red staining solution to counterstain and then dehydration and transparent sealing.
- 6.The vessels used in the staining process should be sufficiently clean.
- 7.This product should be used and interpreted by professionals.
- 8.To read the instructions carefully before use, use within the validity period, and make good personal hygiene protection.
- 9.After use, the waste should be disposed of according to the requirements of the hospital or environmental protection department.
- 10.Production date Batch number and expiration date are shown on the out package.

[Symbols]

The following symbols may be found in this IFU or on the product labeling. Some glossary symbols may not be applicable to this product.

Symbol	Used for	Symbol	Used for
	Expiration Date		Consult instructions for use
	Lot Number		In Vitro diagnostic medical device
	Storage Temperature		Manufacturer
	Catalogue number		Date of manufacture

[Version]

Revision date: 2024-01-02

Version: 01; Change Summary: new



Henan Celnovte Biotechnology Co., Ltd.
Address: N0.1 Cuizhu Street, Bldg. 109, Hi-tech District,Zhengzhou, Henan, China. 450000
Tel: +86(371)-56596916 | www.celnovte.com