

Reticular Fiber Stain Kit

Instruction For Use

RUO



[Product Name]

Reticular Fiber Stain Kit

[Catalog No.]

HS2010

[Specification & Components]

Name	Specification				
	7× 5mL/ Kit	7× 10mL/ Kit	7× 20mL/ Kit	7× 50mL/ Kit	7× 100m L/Kit
Potassium Permanganate Solution(Solution A)	5mL	10mL	20mL	50mL	100mL
Oxalic Acid Solution (Solution B)	5mL	10mL	20mL	50mL	100mL
Ferric Amine Sulfate Solution (Solution C)	5mL	10mL	20mL	50mL	100mL
Silver Ammonia Liquid(Solution D)	5mL	10mL	20mL	50mL	100mL
Formaldehyde Solution (Solution E)	5mL	10mL	20mL	50mL	100mL
Gold Chloride Solution (Solution F)	5mL	10mL	20mL	50mL	100mL
Sodium Thiosulfate Solution (Solution G)	5mL	10mL	20mL	50mL	100mL

[Intended Use]

It was mainly used for histocytological staining of reticular fibers in tissues.

[Storage and Validity]

Store at 2~8℃ away from light, valid for 12 months.

Transportation conditions: at room temperature.

After each use, it should be immediately put back in the refrigerator at 2~8℃ and run out within six months.

[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.

[Test Method]

Testing Instrument: Optical microscope

Procedure:

- 1.Dewax and hydrate tissue sections, then rinse with distilled water.
- 2.Oxidize with potassium permanganate solution (liquid A) for 5 minutes, followed by a purified water rinse.
- 3.Bleach using oxalic acid solution (liquid B) for 1~3 minutes, then purify and wash.
- 4.Stain with ammonium iron sulfate (liquid C) for 3~5 minutes, and rinse with purified water.
- 5.Perform silver ammonia dyeing using solution D for 3~5

minutes, ensuring the cap is tightly sealed. Follow with purified water washing.

6.Reduce with formaldehyde solution (liquid E) for 2~3 minutes, and rinse with purified water.

7.Apply gold chloride solution (F) for 30 seconds, then rinse with purified water.

8.Use sodium thiosulfate solution (G) for 2 minutes, followed by purified water.

9.Finish with conventional dehydration and sealing with a neutral resin sheet.

[Positive Judgment Value]

The reticular fibers are black or bluish-black.

[Results Interpretation]

1. Staining time, temperature conditions or application of other methods may lead to differences in staining intensity.
2. The handling of tissue before staining directly affects the staining results. Improper fixation, washing, dehydration, or contamination by other tissues or fluids can cause inaccurate staining results. Irregularities within the fixation or tissue may also cause abnormal staining results.
3. Excessive or inadequate re-staining can affect the staining results.
4. If the reticulated fibers do not show proper staining results, this indicates a mishandling or improper storage of the staining solution, and the results of this batch of test samples should be considered invalid.
5. The test results are for clinical reference only. Interpretation of any staining results should be performed by the pathologist in conjunction with pathomorphology, clinical manifestations and other testing methods, and is not to be taken as a separate diagnostic indicator.

[Test Limitations]

Limited to staining of pathological tissue contents.

[Cautions]

1. Sections should be dewaxed as clean as possible.
2. Silver ammonia solution must be stored at low temperature and protected from light, and silver ammonia solution should avoid repeated opening of the cap several times, and the cap should be tightened in time after each use to avoid the volatilization of ammonia leading to the increase of silver particles attached to the slice or the failure of the reagent.
3. The vessels used in the dyeing process should be sufficiently clean.
4. This product should be used by professionals and the interpretation of the results.
5. Read the instruction manual in detail before use, use it within the validity period, and take good personal hygiene precautions.
6. After use, the reagent should be disposed of in accordance with hospital toxic medical waste or environmental requirements.
7. The production date, production lot number and expiration date are shown on the 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.



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Symbol	Used for	Symbol	Used for
	Expiration Date		Consult instructions for use
	Lot Number		For Research Use Only
	Storage Temperature		Manufacturer
	Catalogue number		Date of manufacture

[Version]

Revision date: 2024-01-02
Version: 01; Change Summary: new