

Elastic Fiber Staining Kit

Instruction For Use

IVD



[Product Name]

Elastic Fiber Stain Kit

[Catalog No.]

HS2012

[Specification & Components]

4×5mL/kit,4×10mL/kit, 4×20mL/kit, 4×50mL/kit,4×100mL/kit

Reagent	Main components
Solution A:	potassiumpermanganated
potassium permanganate solution	
Solution B: oxalic acid solution	oxalic acid
Solution C: victoria blue solution	victoria blue, resorcinol
Van Gieson/nuclear fast red solution	acid fuchsin、 nuclear fast red

[Intended Use]

For In Vitro Diagnostic Use.

This kit is used for histological staining to qualitatively detect elastic fibers in the tissue sections.

[Storage and Validity]

Store at room temperature, 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 samples were fixed in 10% formaldehyde solution and embedded according to the conventional dehydration treatment, and the section thickness was 3~5μm.

[Test Method]

Testing Instrument: Optical microscope

Procedure:

- 1.Routine deparaffinization and hydration.
- 2.Oxidize with Solution A for 3-5minutes, rinse with purified water.
- 3.Bleach with Solution B for 1-2minutes, until the specimen is colorless, rinse with running water
- 4.Rinse with 95% ethanol, and incubate Solution C at room temperature for 1-24 hours (cover cap to avoid volatilization, add again after the solution has volatilized)
- 5.Quickly immerse in 95% ethanol until no excess solution is taken off (control under the microscope if necessary to avoid excessive decolorization)
- 6.Stain with Solution D for 2-5minutes, pour out the solution and do not rinse with water
- 7.Quickly differentiate with 95% ethanol, dehydrate with anhydrous ethanol, transparentize with xylene, and sealed with

neutral balata.

[Results Interpretation]

Nuclear fast red solution: elastic fibers show blue , and nucleus show red.

[Test Limitations]

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

[Cautions]

- 1.After staining, victoria blue solution should be directly differentiated with 95% ethanol without washing in order to avoid difficult differentiation.
- 2.Victoria blue solution is volatile and the staining time is longer, so it needs to be stained in a covered container.
- 3.This product should be used and judged by professionals.
- 4.Read the instruction manual carefully before use, use it within the validity period, and take personal hygiene protection.
- 5.After use, the reagent should be disposed of in accordance with hospital toxic medical waste or environmental requirements.

[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

