

Antigen Retrieval Solution I

Instruction For Use

IVD



Basic UDI-DI:697180456SD6003DH

[Product Name]

Antigen Retrieval Solution I

[Catalog No.]

SD6003

[Specification & Components]

Name	Specification
Antigen Retrieval Solution I	1000mL/bottle

[Intended Use]

This reagent is used for antigen repair before immunohistochemical staining of formalin-fixed, paraffin-embedded tissue sections, to enhance the visualization of immunohistochemical experiments.

[Summary and Explanation]

Antigen retrieval solution I is a buffer solution containing citrate. It can balance the pH value of the solution and hydrolyze the covalent bond formed by formalin and acetaldehyde in the tissue. The elimination of these bonds can restore protein molecules and strengthen the binding of primary antibodies to antigens.

[Storage and Validity]

Stored at 2°C -8°C to avoid direct sunlight exposure, valid for 12 months.

After use, it should be put back into the refrigerator at 2 ~ 8°C .
Transportation conditions: transport at room temperature.

[Recommended Instrument]

Pressure cooker; Fully Automated Immunohistochemistry Stainer.

[Specimen Requirements]

The pathological tissue was obtained, fixed in formalin, dehydrated, paraffin-embedded and made into paraffin blocks, which were cut into 3 ~ 5 μm slices by a microtome and spread on sticky slides (some special types of tissue may require different section thicknesses). The tissue sections were then placed in a drying oven at 60°C (±5°C) for 30 ~ 60min, then cool to room temperature. Users can adjust the temperature and time as needed according to the actual situation.

[Test Method]

This reagent is ready to use. Choose the method of use according to your needs.
1. Pressure cooker: put into the pressure cooker to boiling; The slices placed on a heat-resisting staining holder are soaked in antigen retrieval solution; Cover the pot and continue heating until spray steam. After 2.5min (Please determine the appropriate time according to the slice and antigen characteristics), remove the pressure cooker from heat source and cools down naturally for 20min.
2. Fully automatic immunohistochemistry stainer: Add antigen

retrieval solution I to the container on the stainer.

[Results Interpretation]

According to the type of repaired tissue and the objective of the immunohistochemical experiment.
The clinical interpretation of any staining or staining deficiency shall be supplemented by a qualified pathologist based on morphology.

[Test Limitations]

Due to the large difference in tissue fixation, the heating time for antigen retrieval may be different, so it must be tested by user.
Excessive repair of tissue sections may lead to accidental staining, the best repair conditions should be controlled with negative reagents.

[Product Performance Specifications]

Appearance: Product appearance is clean and clearly marked.
PH value: 5.9-6.1 (25°C) .

[Cautions]

1. Before starting the experiment, please read the instructions carefully.
2. Please use it within the validity period.
3. It is forbidden to inhale the reagent by mouth, and avoid contact with the skin and mucous membranes. If the reagent comes into contact with sensitive parts, rinse with plenty of water..
4. It may occur that microbial contamination causes a decrease in reagent titer or an increase in non-specific staining.

[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: 2026-01-29
Version: 03; Change Summary: Correct the incorrect expressions. .