

Antigen Retrieval Solution

[Product Name]

Antigen Retrieval Solution

[Packing Specification]

Item No	Specification	Model
4980221	1 L	Acidity

[Intended Use]

For in vitro diagnostic use.

The product is used for antigen retrieval before immunohistochemical staining.

The clinical interpretation of any staining or its absence should be complemented by morphological studies using proper controls and should be evaluated within the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.

The product is intended to be used for antigen retrieval within IHC and ISH procedures and as such, qualitative or semiquantitative diagnostic function including specific disease indication and intended use population is described within the associated device labelling as required for that device.

[Test Principle]

In the process of immunohistochemistry, the common formalin or paraformaldehyde solution is generally used to fix the sample material. The aldehyde group of the formaldehyde in fixative is cross-linked with protein, which masks the antigenic determinant on the antigen surface to varying degrees, affecting its binding to antibodies. The antigen retrieval buffer can balance the pH value of solutions, dissociate and destroy the formaldehyde bond cross-linked with protein, restore protein molecules and strengthen the binding of antibodies and antigens. Surfactants can break the surface tension of the liquid in the staining machine and enhance the fluidity of the liquid in the system.

The use of the product pretreatment on formalin-fixed, paraffin-embedded tissue on the Fully Automated IHC Stainer restores epitopes that have been modified by formalin fixation, allowing accessibility of the primary antibody to the epitope.

[Reagent Provided]

Citrate buffer substrate, surfactant and water.

[Storage Conditions and Expiry Date]

Storage at 2°C~8°C, valid for 24 months.

Do not use it after the expiration date of the reagent bottle label has passed.

[Applicable Instrument]

DAKEWE Fully Automated IHC Stainer.

[Sample Requirement]

Formalin-fixed and paraffin-embedded tissue sections.

[Materials Required But Not Provided]

Primary antibody

BioSci Dewax Solution (Catalog No. 4980511)

BioSci Wash Solution (10×) (Catalog No. 4980411)

BioSci Immunochromogenic Reagent (Catalog No. 4980721, 4980731)

[Method]

The product is a ready-to-use working solution and does not require to be diluted.

According to the packaging label, take antigen retrieval solution into the bulk container marked "antigen retrieval solution1" located within the DAKWE Fully Automated IHC Stainer. This container can hold up to 6 L of solution.

[Limitations]

The retrieval time varies depending on the tissue fixation conditions, and users can experiment on the best retrieval time. Excessive retrieval may lead to non-specific staining, and a negative reagent control shall be used.

[Standards of Product Properties]

Appearance: clear and transparent.

Compliance: Clean and without background staining.

[Precautions]

1. For professional use only. For in vitro diagnostic use.
2. Care shall be taken to wear lab coat and gloves during operation.
3. It is necessary to ensure that the accuracy of the results must be interpreted only by the professional users such as medical professionals.
4. It is forbidden to ingest the reagent. If it happens, please seek medical attention in time.
5. Please read the instructions carefully before the experiment and use it within the period of validity.
6. Spent reagents shall be disposed of in accordance with local regulations.

[Description of Product Symbol]

Product Symbol	Description	Product Symbol	Description
	Catalog Number		Product Batch Code
	Date of Manufacture		Storage at 2°C~8°C
	Expiration Date		Manufacturer
	In Vitro Diagnostic		CE Certification
	Authorized Representative in the European Community		Importer
	Consult instructions for use		

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[Company Information]

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[Instruction Approval and Revision Date]

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