

## **Quick Antigen Retrieval Solution for Frozen Sections (5X)**

**Q752080**

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Store at 2-8 °C

### **Introduction:**

Quick Antigen Retrieval Solution for Frozen Sections is particularly suitable for use on frozen sections and requires only 5 minutes of incubation at room temperature to complete antigen retrieval of frozen sections.

This product contains widely used antigen retrieval reagents such as SDS, with a pH of approximately 7.4. It can quickly and effectively remove cross-linking between proteins caused by aldehyde fixation reagents and fully expose epitopes in samples such as paraffin sections, thereby greatly improving the immunostaining effect.

Normally, paraffin sections require antigen retrieval, whereas frozen sections can be stained without antigen retrieval. This product is particularly suitable for antigen repair of frozen sections and for subsequent immunostaining.

### **Usage method:**

#### **1. Antigen retrieval of paraffin sections.**

- a) Dewaxing: Dewax the section in xylene for 5 min and then replace with fresh xylene for a total of 3 dewaxes in xylene. Then immerse the section in absolute ethanol for 5 min, twice; 90% ethanol for 5 min, twice; 70% ethanol for 5 min, once; and distilled water for 5 min, twice.
- b) Antigen retrieval: Dilute this product (5X) 5 times with ddH<sub>2</sub>O or Milli-Q water to obtain Antigen Retrieval Solution (1X). Immerse the sections in Antigen Retrieval Solution (1X) and incubate at room temperature for 5 minutes. Wash 3-5 times for 3-5 minutes each with Immunostaining Wash Buffer to remove residual SDS and other reagents thoroughly. Subsequent immunostaining steps such as blocking can then be performed.

#### **2. For frozen sections.**

Wash the sections with Immunostaining Wash Buffer for 5 minutes. Immerse the sections in Antigen Retrieval Solution (1X) and incubate at room temperature for 5 minutes. Wash 3-5 times for 3-5 minutes each with Immunostaining Wash Buffer to remove residual SDS and other reagents thoroughly. Subsequent immunostaining steps such as blocking can then be performed.



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**Matters needing attention:**

1. This product must be diluted 5 times with ddH<sub>2</sub>O or Milli-Q water prior to use.
2. This product is for R&D only. Not for drug, household, or other uses.
3. For your safety and health, please wear a lab coat and disposable gloves during the operation.

