

## Protease XXV For Enzyme-Induced Epitope Retrieval

### INTENDED USE

For In Vitro Diagnostic Use

<b><u>AVAILABILITY:</u></b>	<u>Catalog #</u>	<u>Volume</u>
	AP-9006-002	Reconstitute to 2 ml
	AP-9006-005	Reconstitute to 5 ml

<b><u>SPECIFICITY:</u></b>	N/A
<b><u>ENZYME:</u></b>	N/A
<b><u>CHROMOGEN/SUBSTRATE:</u></b>	N/A

### DESCRIPTION

Formaldehyde fixation impairs or totally destroys the immunoreactivity of many antigens and epitopes. The negative effect of formaldehyde fixation can be reversed successfully with enzymatic digestion for some markers while not for others. Protease XXV is a digestive enzyme commonly used for unmasking of epitopes in formalin-fixed, paraffin-embedded immunohistochemical procedures. Protease XXV is very effective in improving the immunoreactivity of certain antigens in formaldehyde fixed tissues.

### WARNINGS & PRECAUTIONS

Refer to MSDS.

### STORAGE & SHELF LIFE

Store at 2-8°C. Each component is stable for 18 months. Always use the fresh Protease XXV solution. Discard the unused solution.

### MICROBIOLOGICAL STATE

Product(s) not sterile.

### MATERIALS REQUIRED BUT NOT PROVIDED

N/A

### SPECIMEN & REAGENT PREPARATION

Refer to Procedure.

### PROCEDURE

#### ***Supplied As:***

Lyophilized powder. Reconstitute in distilled water as indicated on the vial. On reconstitution in distilled water, it provides Protease XXV at 1mg/ml concentration in PBS buffer, pH 7.4.

1. Place five-micron thick tissue sections on glass slides.
2. Deparaffinize and re-hydrate sections as usual.
3. Cover sections with Protease XXV solution and digest for 10 minutes at 37°C.
4. Wash sections in PBS for 2x5 minutes.
5. Block endogenous peroxidase as usual.
6. Wash sections in PBS for 2x5 minutes.
7. Block non-specific sites with normal serum as usual.
8. Place optimally diluted primary antibody on the sections (incubation time and temperature for a given set of experimental conditions should be determined by the investigator).

9. Wash sections in PBS for 2x5 minutes.
10. Rest of the procedure is same as routinely performed in your laboratory.

***Suggested Test Size:***

It is recommended that at least 0.1 ml of Protease XXV solution should be used for each slide.

**REFERENCES**

N/A

**TROUBLESHOOTING**

Please contact Thermo Fisher Scientific Technical Support by phone (1-510-991-2800 or 1-800-828-1628) or by email (lab.reagents@thermofisher.com).