Pepsin Solution For Enzyme-Induced Epitope Retrieval

INTENDED USE

For In Vitro Diagnostic Use

AVAILABILITY:	Catalog #	Volume
	AP-9007-005	5 ml

SPECIFICITY: N/A
ENZYME: N/A
CHROMOGEN/SUBSTRATE: 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. Digestion of deparaffinized tissue sections with the enzyme pepsin has been found to improve the immunoreactivity of many antigens in formaldehyde fixed tissues.

WARNINGS & PRECAUTIONS

Refer to MSDS.

STORAGE & SHELF LIFE

Store vial at 4°C. When stored at 2-8°C, this pepsin solution is stable for 12 months.

MICROBIOLOGICAL STATE

Product(s) not sterile.

MATERIALS REQUIRED BUT NOT PROVIDED

N/A

SPECIMEN & REAGENT PREPARATION

Refer to Procedure.

PROCEDURE

Supplied As:
Pepsin solution (pH2.0) is supplied as a single-component in a ready-to-use format for immunohistochemical staining of formalin-fixed, paraffin-embedded tissues.

1. Place five-micron thick tissue sections on glass slides coated with poly L-lysine or APTES.
2. Deparaffinize and re-hydrate sections as usual.
3. Block endogenous peroxidase as usual.
4. Wash sections in wash-buffer for 2x5 minutes.
5. Cover sections with the pepsin solution (usually 0.2 ml per section) and place the slides at 37°C for 10 minutes in a humidified chamber.
6. Wash sections in wash buffer 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 buffer for 2x5 minutes.
10. Rest of the procedure is same as routinely performed in your laboratory.

Thermo Fisher Scientific
Anatomical Pathology
47777 Warm Springs Blvd.
Fremont, CA 94539, USA
Tel: 1-510-991-2800
Fax: 1-510-991-2826
http://www.thermo.com/labvision

Manufactured by:
LabVision Corporation

Thermo Fisher Scientific
Anatomical Pathology
93-96 Chadwick Road, Astmoor
Runcorn, Cheshire WA7 1PR, UK
Tel: 44-1928-562600
Fax: 44-1928-562627
Labvision.uk@thermofisher.com

Suggested Test Size:
It is recommended that at least 0.2 ml of pepsin solution should be used for each tissue section.

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).

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