

Please note this data sheet has been changed effective October 24, 2014

Pepsin Solution For Enzyme-Induced Epitope Retrieval

INTENDED USE

For In Vitro Diagnostic Use

| | | |
|-----------------------------|------------------|---------------|
| <u>AVAILABILITY:</u> | <u>Catalog #</u> | <u>Volume</u> |
| | AP-9007-005 | 5 ml |

| | |
|------------------------------------|-----|
| <u>SPECIFICITY:</u> | N/A |
| <u>ENZYME:</u> | N/A |
| <u>CHROMOGEN/SUBSTRATE:</u> | 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

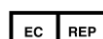
Supplied As:

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).



Lab Vision Corporation
46500 Kato Road
Fremont, CA 94538-7310, USA
US Toll Free: 1 (800) 522-7270
Phone: +1 (269) 544-5600
Fax: +1 (269) 372-2674
www.thermoscientific.com/labvision



Thermo Fisher Scientific
Anatomical Pathology
Tudor Road, Manor Park
Runcorn, Cheshire WA7 1TA, UK
Tel: +44 (0) 1928 534 050
Fax: +44 (0) 1928 534 049
sales.ap.uk@thermofisher.com

Please note this data sheet has been changed effective October 24, 2014

9. Wash sections in buffer 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 0.2 ml of pepsin solution should be used for each tissue section.

REFERENCES

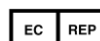
N/A

TROUBLESHOOTING

Please contact Thermo Fisher Scientific Technical Support by phone (1-269-544-5600 or 1-800-522-7270) or by email (lab.reagents@thermofisher.com).



Lab Vision Corporation
46500 Kato Road
Fremont, CA 94538-7310, USA
US Toll Free: 1 (800) 522-7270
Phone: +1 (269) 544-5600
Fax: +1 (269) 372-2674
www.thermoscientific.com/labvision



Thermo Fisher Scientific
Anatomical Pathology
Tudor Road, Manor Park
Runcorn, Cheshire WA7 1TA, UK
Tel: +44 (0) 1928 534 050
Fax: +44 (0) 1928 534 049
sales.ap.uk@thermofisher.com