

Product Information

Histo/Zyme, Ready to Use, Antigen Retriever

Catalog Number **H3292**

Storage Temperature 2-8 °C

Product Description

Histo/Zyme is a stabilized proteolytic enzyme in buffered solution, used to unmask immunoreactive sites altered by fixation and/or the embedding process.

In immunohistochemistry (IHC), most commonly used tissue fixatives, such as formalin, mask tissue antigens (cellular, membrane, and nuclear) by their intrinsic cross-linking. This masking results in weak staining or false negative results in IHC. Treatment with a proteolytic enzyme is required to digest excess linkages and expose the antigen. Histo/Zyme is a proteolytic enzyme solution that results in superior staining over traditionally used enzyme pretreatments, such as pepsin and trypsin. Moreover, Histo/Zyme requires only a brief incubation at room temperature. Performing antigen recovery with Histo/Zyme will allow you to dilute the primary antibody 5 to 10 fold further and achieve optimal staining.

The use of Histo/Zyme, or other antigen retrieval solutions on formalin-fixed paraffin-embedded (FFPE) tissue sections improves accessibility of antibodies to tissue antigens. Histo/Zyme is gentle on tissue, does not destroy tissue morphology, and results in superior staining over traditionally used enzyme pretreatments.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

Histo/Zyme is supplied as a 1× solution, ready to use.

Storage/Stability

Store at 2-8 °C. DO NOT FREEZE. Do not use beyond expiration date on the label.

Procedure

Histo/Zyme, supplied as a ready to use solution, is intended for antigen retrieval in IHC at room temperature.

1. Deparaffinize FFPE tissue sections.¹ Hydrate tissue sections with phosphate buffered saline (PBS).
2. Remove excess PBS from slides without letting tissue dry.
3. Depending on tissue section size, add 1 or 2 drops of Histo/Zyme. Incubate slides for 5 minutes at room temperature.
4. Wash slides with PBS. The tissue sections are ready for IHC staining.

Note: Tissue sections from brain or tissues with high concentration of lipids may become detached from slides or may result in the loss of tissue morphology. For these tissues, it may be necessary to use positive-ion charged, sialanized, or poly-lysine coated slides.

Reference

1. Cuello, A.C. (Ed.), Immunohistochemistry II, Wiley Press, NY (1993).

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