

## Histo/Zyme (Ready to Use) Stabilized Enzyme in Buffered Solution

**Catalog No.:** K 046

**Intended Use:** This product is designed to unmask immunoreactive sites altered by fixation and/or the embedding process.

**Introduction:** The most commonly used tissue fixatives are aldehydes, such as formalin, which work by protein cross-linking. Proper fixation of a specimen prevents antigen from being washed out and is a critical aspect of successful IHC staining. Cross-linking can mask antigens, preventing primary antibodies from binding, thus yielding weak staining or false negative results. Immunoglobulins are especially susceptible to formalin fixation. Treatment with a proteolytic enzyme is required to digest excess aldehyde 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.

**Product Benefits:**

1. Produces markedly improved staining compared to Pepsin or Trypsin pretreatment.
2. Can be used in place of either Pepsin or Trypsin enzyme pretreatment. No more confusion as to which enzyme to use.
3. Requires only 5 minutes of incubation at room temperature.
4. Single stable solution.
5. Unlike other enzymes, Histo/Zyme is gentle on tissue and does not destroy morphology.

**Format:** 15mL clear slightly viscous solution.

**Storage:** Store at 2-8°C. Do not use beyond expiration date on the label.

**Digestion Procedure:**

1. Deparaffinize tissue sections and bring them to buffer.
2. Remove excess buffer from slides without letting tissue dry.
3. Depending on tissue section size, add 1 or 2 drops of Histo/Zyme.
4. Incubate slides for 5 minutes at room temperature.
5. Wash slides with buffer and proceed with immunostaining.

### IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

**DBS**

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