

General Pepsin Assay Kit

Pepsin Microplate Assay Kit

CATALOG # AAA27849	REACTIVITY General	APPLICATIONS Functional Assay
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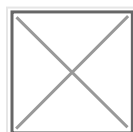
PRODUCT SYNONYMS

Pepsin; Pepsin Microplate Assay Kit; EC 3.4.23.1; Pepsin A; Pepsin assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Urine, Serum, Plasma, Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples
Detection Range	0.01 umol/ml - 5 umol/ml
Applicable Applications for Pepsin assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Pepsin assay kit

Background: Pepsin is an enzyme whose zymogen (pepsinogen) is released by the chief cells in the stomach and that degrades food proteins into peptides. Pepsin is a digestive protease, a member of the aspartate protease family. Pepsin is one of three principal protein-degrading, or proteolytic, enzymes in the digestive system, the other two being chymotrypsin and trypsin. The three enzymes were among the first to be isolated in crystalline form. During the process of digestion, these enzymes, each of which is specialized in severing links between particular types of amino acids, collaborate to break down dietary proteins into their components, i.e., peptides and amino acids, which can be readily absorbed by the intestinal lining. Pepsin is most efficient in cleaving peptide bonds between hydrophobic and preferably aromatic amino acids such as phenylalanine, tryptophan, and tyrosine. Pepsin Microplate Assay Kit provides a simple and direct procedure for measuring pepsin activity in a variety of samples. The assay is initiated with the enzymatic catalysis of the hemoglobin by pepsin. The enzyme catalysed reaction products can be measured at a colorimetric readout at 580 nm.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.