

BULK ENZYMES

Cathepsin C

Unizyme Laboratories (Hørsholm, Denmark) offers Cathepsin C, which removes dipeptide from the N-terminal of a protein or polypeptide. It is particularly successful in a refined method when converting an N-terminal extended protein precursor into a mature protein. Cathepsin C is also suitable when sequencing tryptic peptides and for polymerization of dipeptide amides.

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Degradation enzyme

Phosphatidylinositol-specific phospholipase C (PI-PLC) from Kamiya Biomedical (Thousand Oaks, CA) is a phospholipid degradation enzyme that cleaves phosphatidylinositol into diglyceride and myo-inositol-cyclic 1,2-phosphate. PI-PLC will help solve many problems on the presence, structure, and biosynthesis of PI-anchoring proteins.

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ALP isoenzymes

Isolab's (Akron, OH) alkaline phosphatase (ALP) test kit uses isoelectric focusing electrophoresis in agarose gels to separate ALP isoenzymes into 10 banding groups. This assay is qualitative or semiquantitative and can help determine the tissue source contributing to total ALP elevation.

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Glucose kit enzymes

Genzyme Diagnostics (Kent, U.K.) now supplies bulk enzymes for any glucose kit. Glucose oxidase and peroxidase is available for standard Trinder colorimetric assays. Two sources of glucose-6-phosphate for UV assays are available. Four variations of glucose oxidase from *Aspergillus niger* are also available.

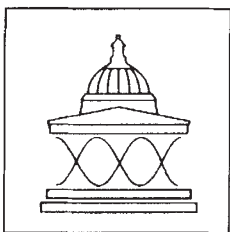
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Dioxygenase clones

Helix Biotechnology (London, U.K.) offers three cloned examples of organic ring metabolizing dioxygenases—benzoate dioxygenase, naphthalene dioxygenase, and catechol 2,3 dioxygenase. Their primary use is for the production of chiral synthons. These enzymes can be supplied as purified products for further investigational studies.

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ICE substrates

The Bachem Group (Bubendorf, Switzerland) offers IL-1 β converting enzyme (ICE) substrate I, a 14-amino acid peptide that corresponds to the native cleavage site sequence around Asp¹¹⁶-Ala¹¹⁷ and inhibits the cleavage of the precursor to the mature protein. ICE substrate II is also available.

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