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Product Datasheet

Native Bovine Trypsin: 2,500 USP U/mg, CAS [[9002-7-7]] CRM-NATE-0721

Article Name	Native Bovine Trypsin: 2,500 USP U/mg, CAS [[9002-7-7]]
Biozol Catalog Number	CRM-NATE-0721
Supplier Catalog Number	NATE-0721
Alternative Catalog Number	CRM-NATE-0721-1
Manufacturer	Creative BioMart
Category	Biochemikalien
Product Description	Trypsin (EC 3.4.21.4) is a serine protease from the PA clan superfamily, found in the digestive system of many vertebrates, where it hydrolyses proteins. Trypsin is produced in the pancreas as the inactive protease trypsinogen. Trypsin cleaves peptid...
Concentration	2,500 USP U/mg
CAS Number	[9002-7-7]

Application Notes	For trypsin digestion of peptides, use a ratio of about 1:100 to 1:20 for trypsin:peptide. The typical use for this product is in removing adherent cells from a culture surface. The concentration of trypsin necessary to dislodge cells from their substrate is dependent primarily on the cell type and the age of the culture. Trypsins have also been used for the re-suspension of cells during cell culture, in proteomics research for digestion of proteins and in various in-gel digestions. Additional applications include assessing crystallization by membrane-based techniques and in a study to determine that protein folding rates and yields can be limited by the presence of kinetic traps. Trypsin can be used to release adherent cells from tissue culture plates for passaging. Trypsin has been used in a study to assess the effects of macromolecular crowding on the structural stability of human alpha-lactalbumin. Trypsin has also been used in a study to investigate BN-PAGE analysis of <i>Trichoderma harzianum</i> secretome.
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