



Creative Enzymes

Diagnostic Enzymes

High Purity Barley Beta-Amylase

Product Information

Cat#	DIA-510
Source	Hordeum Vulgare
Description	High purity β -amylase from barley for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Powder
CAS No.	9000-91-3
Activity	~ 600 U/mg (40 °C, pH 6.0 on soluble starch)
Unit Definition	One unit of β -amylase activity is defined as the amount of enzyme required to release one μ mole of maltose reducing-sugar equivalents per minute from soluble starch (10 mg/mL) in sodium phosphate buffer (200 mM), pH 6.0 at 40 °C.
Storage	Below -10 °C
Synonyms	β -amylase; 4- α -D-glucan maltohydrolase
Enzyme Commission Number	EC 3.2.1.2
Stability	> 1 year under recommended storage conditions
Optimum temperature	60 °C
Buffer	BSA plus ammonium sulphate powder
Applications	For use in AACCC and ASBC α -amylase assay procedures.
Molecular Weight	58300 Da
Specificity	Hydrolysis of (1,4)- α -D-glucosidic linkages in polysaccharides so as to remove successive maltose units from the non-reducing ends of the chains.

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