

High Purity Alpha-Glucosidase from Yeast

Product Information

Cat#	DIA-501
Source	Yeast
Description	High purity α -glucosidase (yeast maltase) for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Suspension
CAS No.	9001-42-7
Activity	~ 120 U/mg (40 °C, pH 6.8 on pNP- α -Glucosidase)
Unit Definition	One unit of α -glucosidase activity is defined as the amount of enzyme required to produce one μ mole of p-nitrophenol from pNP- α -Glucosidase (10 mM) in sodium phosphate buffer (100 mM), pH 6.8 at 40 °C.
Storage	2–8 °C
Synonyms	α -glucosidase; α -D-glucoside glucohydrolase
Enzyme Commission Number	EC 3.2.1.20
Stability	> 1 year under recommended storage conditions
Optimum temperature	40 °C
Buffer	3.2 M ammonium sulphate
Applications	Applications in carbohydrate research and in the food and feeds, brewing and biofuels industries.
Molecular Weight	52000 Da
Concentration	~ 1000 U/mL
Specificity	Hydrolysis of terminal, non-reducing (1,4)-linked α -D-glucose residues with release of D-



Creative Enzymes

Diagnostic Enzymes

High Purity Alpha-Glucosidase from Yeast

glucose.

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