

Amyloglucosidase from *Aspergillus niger* (Glycerol Free)

Product Information

Cat#	DIA-506
Source	<i>Aspergillus niger</i>
Description	High purity amyloglucosidase (<i>Aspergillus niger</i>) for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Solution
ECNumber	3.2.1.3
Activity	~ 36 U/mg (40 °C, pH 4.5 on soluble starch) ~ 400 U/mL on p-nitrophenyl β -maltoside ~ 6,520 U/mL on soluble starch
Optimum temperature	70 °C
Stability	> 1 year under recommended storage conditions
Unit Definition	One unit of amyloglucosidase activity is defined as the amount of enzyme required to release one μ mole of glucose reducing-sugar equivalents per minute from soluble starch (10 mg/mL) at pH 4.5 at 40 °C.
Storage	2–8 °C
Synonyms	Glucan 1,4- α -glucosidase; 4- α -D-glucan glucohydrolase; glucoamylase
Molecular Weight	143500 Da
Specificity	Hydrolysis of terminal α -1,4 and α -1,6 D-glucose residues successively from non-reducing ends of maltodextrins.