

## Amyloglucosidase from *Aspergillus niger* (Powder)

### Product Information

<b>Cat#</b>	DIA-507
<b>Source</b>	<i>Aspergillus niger</i>
<b>Description</b>	High purity amyloglucosidase ( <i>Aspergillus niger</i> ) for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
<b>Form</b>	Lyophilised powder
<b>ECNumber</b>	3.2.1.3
<b>Activity</b>	~ 26,000 U/g (40 °C, pH 4.5, soluble starch as substrate) ~ 2,260 U/g on p-nitrophenyl $\beta$ -maltoside
<b>Optimum pH</b>	4
<b>Optimum temperature</b>	70 °C
<b>Stability</b>	> 1 year under recommended storage conditions
<b>Unit Definition</b>	One unit of amyloglucosidase activity is defined as the amount of enzyme required to release one $\mu$ mole of D-glucose reducing-sugar equivalents per minute from soluble starch at pH 4.5 and 40 °C.
<b>Storage</b>	Below -10 °C
<b>Synonyms</b>	Glucan 1,4- $\alpha$ -glucosidase; 4- $\alpha$ -D-glucan glucohydrolase; glucoamylase
<b>Molecular Weight</b>	143500 Da
<b>Specificity</b>	Hydrolysis of terminal $\alpha$ -1,4 and $\alpha$ -1,6 D-glucose residues successively from non-reducing ends of maltodextrins.