

## High Purity Beta-Glucosidase from *Aspergillus niger*

### Product Information

<b>Cat#</b>	DIA-514
<b>Source</b>	<i>Aspergillus niger</i>
<b>Description</b>	High purity $\beta$ -glucosidase from <i>Aspergillus</i> sp. for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
<b>Form</b>	Suspension
<b>CAS No.</b>	9001-22-3
<b>Activity</b>	~ 80 U/mg (40 °C, pH 4.0 on p-nitrophenyl $\beta$ -glucoside)
<b>Unit Definition</b>	One unit of $\beta$ -glucosidase activity is defined as the amount of enzyme required to release one $\mu$ mole of p-nitrophenol from p-nitrophenyl $\beta$ -glucoside per minute at 40 °C and pH 4.0.
<b>Storage</b>	2–8 °C
<b>Synonyms</b>	$\beta$ -glucosidase; $\beta$ -D-glucoside glucohydrolase
<b>Enzyme Commission Number</b>	EC 3.2.1.21
<b>Stability</b>	> 1 year under recommended storage conditions
<b>Optimum temperature</b>	70 °C
<b>Buffer</b>	3.2 M ammonium sulphate (stabilized with BSA)
<b>Applications</b>	Applications established in analysis and research within the food and feed, carbohydrate and biofuels industries.
<b>Molecular Weight</b>	121000 Da
<b>Concentration</b>	~ 40 U/mL
<b>Specificity</b>	Hydrolysis of terminal, non-reducing $\beta$ -D-glucosyl residues with release of $\beta$ -D-glucose.