

High Purity Beta-Galactosidase

Product Information

Cat#	DIA-512
Source	Aspergillus niger
Description	High purity β -galactosidase from Aspergillus niger for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Suspension
Activity	~ 240 U/mg (40 °C, pH 4.5 on p-nitrophenyl β -D-galactoside)
Unit Definition	One unit of β -galactosidase activity is defined as the amount of enzyme required to release one μ mole of p-nitrophenol (pNP) per minute from p-nitrophenyl- β -D-galactoside (10 mM) in sodium acetate buffer (100 mM), pH 4.5 at 40 °C.
Storage	2–8 °C
Synonyms	β -galactosidase; β -D-galactoside galactohydrolase
Enzyme Commission Number	EC 3.2.1.23
Stability	> 1 year under recommended storage conditions
Optimum temperature	60 °C
Buffer	3.2 M ammonium sulphate
Applications	Applications established in analysis and research within the food and feed, carbohydrate and biofuels industries.
Molecular Weight	125000 Da
Concentration	~ 4000 U/mL
Specificity	Hydrolysis of terminal non-reducing β -D-galactose residues in β -D-galactosides.