



Creative Enzymes

Diagnostic Enzymes

High Purity Alpha-Galactosidase

Product Information

Cat#	DIA-500
Source	Aspergillus niger
Description	High purity α -galactosidase from Aspergillus niger for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Lyophilized powder
CAS No.	9025-35-8
Activity	~ 500 U/mg (40 °C, pH 4.5 on p-nitrophenyl- α -D-galactopyranoside)
Unit Definition	One unit of activity is the amount of enzyme required to release one μ mole of p-nitrophenol (pNP) per minute from p-nitrophenyl- α -D-galactopyranoside per min at pH 4.5 and 40 °C.
Storage	Below -10 °C
Synonyms	α -galactosidase; α -D-galactoside galactohydrolase
Enzyme Commission Number	EC 3.2.1.22
Stability	> 1 year under recommended storage conditions
Optimum pH	4.5
Optimum temperature	60 °C
Applications	Applications in carbohydrate and glycobiology research.
Molecular Weight	97000 Da
Specificity	Hydrolysis of terminal, non-reducing α -D-galactose residues in α -D-galactosides, including galactose oligosaccharides, galactomannans and galactolipids.

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