



Creative Enzymes

Diagnostic Enzymes

High Purity Alpha-L-Arabinofuranosidase

Product Information

Cat#	DIA-503
Source	Aspergillus niger
Description	High purity α -L-arabinofuranosidase from Aspergillus niger for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Suspension
CAS No.	9067-74-7
Activity	~ 32 U/mg (40 °C, pH 4.0 on p-nitrophenyl- α -L-arabinofuranoside) ~ 12.6 U/mg (on sugar-beet arabinan) ~ 1.2 U/mg (on wheat arabinoxylan)
Unit Definition	One unit of α -L-arabinofuranosidase activity is defined as the amount of enzyme required to release one μ mole of p-nitrophenol (pNP) per minute from p-nitrophenyl- α -L-arabinofuranoside (5 mM) in sodium acetate buffer (100 mM), pH 4.0 at 40 °C.
Storage	2–8 °C
Synonyms	Non-reducing end α -L-arabinofuranosidase; α -L-arabinofuranoside non-reducing end α -L-arabinofuranosidase
Enzyme Commission Number	EC 3.2.1.55
Stability	> 1 year under recommended storage conditions
Optimum temperature	40 °C
Buffer	3.2 M ammonium sulphate
Applications	Applications in carbohydrate and biofuels research.
Molecular Weight	62000 Da
Concentration	~ 300 U/mL

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Specificity

Hydrolysis of α -1,2- and α -1,3-linked L-arabinofuranose residues from arabinoxylans and branched arabinans. Hydrolyses α -1,5-linked arabino-oligosaccharides at a much lower rate.
