

Endo-1,4 Beta-Mannanase from *Aspergillus niger*

Product Information

Cat#	DIA-521
Source	<i>Aspergillus niger</i>
Description	High purity endo-1,4 β -mannanase (<i>Aspergillus niger</i>) for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Suspension
ECNumber	3.2.1.78
Activity	~ 50 U/mg (40 °C, pH 4.0 on carob galactomannan)
CAS No.	37288-54-3
Optimum temperature	60 °C
Stability	> 1 year under recommended storage conditions
Unit Definition	One unit of mannanase activity is defined as the amount of enzyme required to release one μ mole of mannose reducing-sugar equivalents per minute from carob galactomannan (10 mg/mL) in sodium acetate buffer (100 mM), pH 4.0 at 40 °C.
Storage	2–8 °C
Synonyms	Mannan endo-1,4- β -mannosidase; 4- β -D-mannan mannanohydrolase
Buffer	3.2 M ammonium sulphate
Applications	Applications established in analysis and research within the food and feed, carbohydrate, biofuels and paper production industries.
Molecular Weight	48000 Da
Concentration	~ 600 U/mL
Specificity	Random hydrolysis of (1,4)- β -D-mannosidic linkages in mannans, galactomannans and glucomannans.