

Endo-1,4-Beta-Xylanase from *Neocallimastix patriciarum*

Product Information

Cat#	DIA-522
Source	<i>Neocallimastix patriciarum</i>
Description	High purity recombinant endo-1,4- β -xylanase (<i>Neocallimastix patriciarum</i>) for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Suspension
Activity	~ 550 U/mg (40 °C, pH 6.0 on wheat arabinoxylan) ~ 715 U/mg (50 °C, pH 6.0 on wheat arabinoxylan)
CAS No.	9025-57-4
Optimum temperature	50 °C
Stability	> 1 year under recommended storage conditions
Unit Definition	One unit of xylanase activity is defined as the amount of enzyme required to release one μ mole of xylose reducing-sugar equivalents per minute from wheat arabinoxylan (5 mg/mL) in sodium phosphate buffer (100 mM), pH 6.0.
Storage	2–8 °C
Synonyms	Endo-1,4- β -xylanase; 4- β -D-xylan xylanohydrolase
Buffer	3.2 M ammonium sulphate
Applications	Applications in carbohydrate and biofuels research and in the food and feeds and paper pulping industries.
Molecular Weight	25800 Da
Concentration	~ 10000 U/mL
Specificity	Endo-hydrolysis of (1,4)- β -D-xylosidic linkages in xylans.