

## High Purity Endo-1,4-Beta-Xylanase

### Product Information

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