



High Purity Lichenase

Product Information

Cat#	DIA-534
Source	Bacillus subtilis
Description	High purity lichenase (endo-1,3,1,4- β -glucanase) from Bacillus subtilis for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Suspension
CAS No.	37288-51-0
Activity	~ 230 U/mg (40 °C, pH 6.5 on barley β -glucan)
Unit Definition	One unit of lichenase activity is defined as the amount of enzyme required to release one μ mole of glucose reducing-sugar equivalents per minute from barley β -glucan (10 mg/mL) in sodium phosphate buffer (100 mM), pH 6.5 at 40 °C.
Storage	2–8 °C
Synonyms	Licheninase; (1 \rightarrow 3)-(1 \rightarrow 4)- β -D-glucan 4-glucanohydrolase
Enzyme Commission Number	EC 3.2.1.73
Stability	> 1 year under recommended storage conditions
Optimum temperature	60 °C
Buffer	3.2 M ammonium sulphate
Applications	Applications in carbohydrate research and in the food and feeds, brewing and biofuels industries.
Molecular Weight	26750 Da
Concentration	~ 1000 U/mL
Specificity	Hydrolysis of (1,4)- β -D-glucosidic linkages in β -D-glucans containing (1,3)- and



Creative Enzymes

Diagnostic Enzymes

High Purity Lichenase

(1,4)-bonds.

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