

High Purity Pectate Lyase

Product Information

Cat#	DIA-545
Source	Aspergillus sp.
Description	High purity pectate lyase from Aspergillus sp. for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Solution
CAS No.	9015-75-2
Activity	~ 200 U/mg (40 °C, pH 8.0 on polygalacturonic acid)
Unit Definition	One unit of pectate lyase activity is defined as the amount of enzyme required to release one μ mole of galacturonic acid from polygalacturonic acid (2.5 mg/mL) per min in Tris HCl buffer (50 mM), pH 8.0 at 40 °C.
Storage	Below -10 °C
Synonyms	Pectate lyase; (1 \rightarrow 4)- α -D-galacturonan lyase
Stability	> 1 year under recommended storage conditions
Optimum temperature	55 °C
Buffer	50% (v/v) glycerol
Applications	Suitable for pectin identification according to USP method [Pectin 9000-69-5]; Pectin Identification Procedure. Applications in carbohydrate and biofuels research.
Molecular Weight	45000 Da
Concentration	~ 1400 U/mL
Specificity	Eliminative cleavage of (1,4)- α -D-galacturonan to give oligosaccharides with 4-deoxy- α -D-galact-4-enuronosyl groups at their non-reducing ends.