

## Pectate Lyase from *Aspergillus* sp.

### Product Information

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