

## Endo-Polygalacturonanase from *Pectobacterium carotovorum*

### Product Information

<b>Cat#</b>	DIA-523
<b>Source</b>	<i>Pectobacterium carotovorum</i>
<b>Description</b>	High purity endo-polygalacturonase ( <i>Pectobacterium carotovorum</i> ) for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
<b>Form</b>	Suspension
<b>Activity</b>	~ 400 U/mg (40 °C, pH 5.5 on polygalacturonic acid)
<b>CAS No.</b>	9032-75-1
<b>Optimum temperature</b>	50 °C
<b>Stability</b>	> 1 year under recommended storage conditions
<b>Unit Definition</b>	One unit of endo-polygalacturonase activity is defined as the amount of enzyme required to release one $\mu$ mole of galacturonic acid from polygalacturonic acid (5 mg/mL) per min in sodium acetate buffer (100 mM), pH 5.5 at 40 °C.
<b>Storage</b>	2–8 °C
<b>Synonyms</b>	Polygalacturonase; (1→4)- $\alpha$ -D-galacturonan glycanohydrolase
<b>Buffer</b>	3.2 M ammonium sulphate
<b>Applications</b>	Applications in carbohydrate research and in the food industry.
<b>Molecular Weight</b>	39818 Da
<b>Concentration</b>	~ 14000 U/mL
<b>Specificity</b>	Random hydrolysis of $\alpha$ -1,4-D-galactosiduronic linkages in pectate and polygalacturonans.