



## Product Information

### Recombinant *Arthrobacter oxydans* dextranase 49A

**Cat. No.:** X23-08-YM530

**Size:** 0.5 mg; 1 mg; 1.5 mg; 2 mg

**Enzyme Commission Number:** 3.2.1.11

**Synonym:** AoDex49A;  $\beta$ -Glucanas;  $\beta$ -Dextranase

**This product is for research use only and is not intended for diagnostic use.**

#### Product Information

<b>Description</b>	Recombinant <i>Arthrobacter oxydans</i> dextranase 49A produced by <i>Escherichia coli</i> is responsible for catalyzing the hydrolysis of $\alpha$ -(1,6)-glucosidic bonds in dextran.
<b>Expression System</b>	<i>Escherichia coli</i>
<b>Species</b>	<i>Arthrobacter oxydans</i>
<b>Concentration</b>	0.5 mg/mL
<b>Form</b>	Liquid
<b>Purity</b>	$\geq 90\%$ , determined by SDS-PAGE.
<b>Activity</b>	Dextranases
<b>Buffer</b>	35 mM NaHepes buffer (pH 7.5), 750 mM NaCl, 200 mM imidazole, 3.5 mM $\text{CaCl}_2$ , and 25% (v/v) glycerol
<b>Applications</b>	Recombinant <i>Arthrobacter oxydans</i> dextranase 49A possesses multitudinous applications, such as sugar modification, drug preparation, and medicine for enhancing the activity of endocarditis antibiotics. It has the ability to hydrolyze dextrans.
<b>Storage</b>	Store at $-20^\circ\text{C}$ .