



## Product Information

### $\beta$ -Galactosidase from *Escherichia coli*, $\geq 250$ U/mg

**Cat. No.:** X23-06-YM093

**Size:** 50 mL; 100 mL; 250 mL

**Enzyme Commission Number:** 3.2.1.23

**NACRES:** NA.54

**Synonym:** Beta-galactosidase; Acid beta-galactosidase;  $\beta$ -D-Galactopyranosidase

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

#### Product Information

<b>Description</b>	$\beta$ -Galactosidase from <i>Escherichia coli</i> , a crucial enzyme in the human body, is responsible for hydrolyzing galactosides into galactose.
<b>Molecular Weight</b>	465 kDa
<b>Unit Definition</b>	One unit will hydrolyze 1.0 $\mu$ mole of O-nitrophenyl $\beta$ -D-galactoside to O-nitrophenol and D-galactose per min at pH 7.3 at 37°C.
<b>Source</b>	<i>Escherichia coli</i>
<b>Form</b>	Lyophilized powder
<b>Applications</b>	$\beta$ -Galactosidase from <i>Escherichia coli</i> is applied for the structural research of sugar, the measurement of lactose, and as an enzyme label for enzyme immunoassay.
<b>Storage</b>	Store at -20°C.