

Zymolyase™

Product Number:	E1004/E1005 (lyophilized)
Concentration:	Liquid: 5 units per μ l Lyophilized: 5 units per μ l after resuspension
Description:	Our yeast lytic enzyme is prepared from <i>Arthrobacter luteus</i> . The primary yeast lytic activity is β -1, 3-glucan laminaripentaohydrolase. It hydrolyzes glucose polymers at the β -1,3-glucan linkages releasing laminaripentaose as the principal product.
Unit Definition:	One lytic unit is defined as catalyzing a 10% decrease in absorbance at 800 nm at 30°C in 30 minutes. Assay condition: 50 mM potassium phosphate, pH 7.5, 10 mM 2-mercaptoethanol in 1 ml yeast cell suspension of Abs. _{800 nm} 0.8 to 1.0.
Shipping and Storage Conditions:	Store at -20°C for frequent usage. Store below -70°C for infrequent usage (less than one time each month). The Yeast Lytic Enzyme is stable for 1 year at -20°C and for many years below -70°C.
Specification:	The essential enzyme activities are β -1,3-glucan laminaripentaohydrolase and β -1,3-glucanase. Protein contents: approximately 10-15 mg/ml. Other contaminants: protease, ca. 1.5 units per 10 μ l; DNase and RNase, none detectable. The enzyme lytic activity is lost in 5 minutes at 60°C.
Preparation of Lyophilized Zymolyase	Resuspend lyophilized Zymolyase in the indicated volume of Zymolyase Storage Buffer: E1004: 200 μ l E1005: 400 μ l
Caution:	This reagent contains the toxic chemical β -mercaptoethanol. Use in a chemical fume hood. Further precautions should be taken according to your own company's regulations. For research uses only.