

Zymolyase 100T Concentrate 10mg/ml, 0.1M Sorbitol Enzyme

Zymolyase 100T Concentrate 10mg/ml, 0.1M Sorbitol (Lyticase, Yeast Lytic Enzyme)

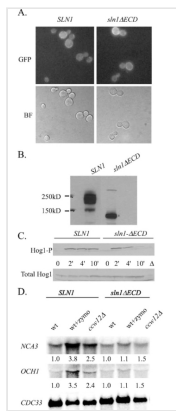
CATALOG #
AAA14837

PRODUCT SYNONYMS

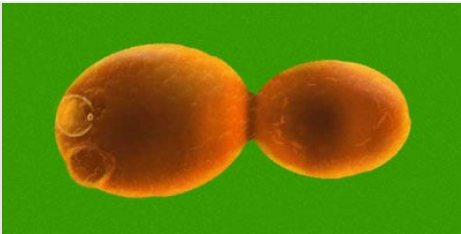
Zymolyase 100T Concentrate 10mg/ml; 0.1M Sorbitol; 0.1M Sorbitol (Lyticase; Yeast Lytic Enzyme); 0.1M Sorbitol enzyme

PRODUCT SPECIFICATIONS

CAS No	[37340-57-1]
Zymolyase 100T	Specific Activity: 112 units/mg RNase/DNase : Trace levels reported
Water	Molecular Biology Grade Nuclease-free
Optimal pH	5-10
Sterility	Sterile-filtered through a 0.2um filter
Experimental precautions	1. Avoid nitrocellulose filters due to non-specific adsorption onto the membrane. 2. If using sterilized Zymolyase in concentrations higher than 0.05%, prepare a 2% solution in buffers containing 5% glucose. Filter the suspension and then dilute with an appropriate buffer.
Susceptible strains in low concentration (0.2 units/ml)	Ashbya, Endomyces, Klöckera, Kluyveromyces, Pullularia, Saccharomyces
No susceptible strains	Bullera, Pityosporum, Rhosotorula, Sporidiobolus, Sporobolomyces, Stetigmatomyces, Trichosporon
Susceptible strains in high concentration (2.0 units/ml)	Candida, Debaryomyces, Eremothecium, Hansenula, Hanseniaspora, Lipomyces, Metschnikowia, Saccharomycopsis, Saccharomycodes, Schizosaccharomyces, Selenozyma, Trigonopsis, Wickerhamia
Susceptibility depending upon strains	Bretanomyces, Cryptococcus, Nadsonia, Picia, Rodosporidium, Schwanniomycetes, Stephanoascus, Torulopsis
Preparation and Storage	Stable for 12 months after receipt at -20°C.



Application Data
Source: Arthobacter Luteus



Application Data

The extracellular domain is required for Sln1 kinase activation by wall perturbations. A, representative field showing localization of SLN1-GFP (pSS1881) or sln1ΔDelta;ECD-GFP (pSS1904). BF, bright field. B, Western analysis showing reduced levels of sln1ΔDelta;ECD compared with full-length SLN1. SLN1, JF2007 (sln1ΔDelta;) carrying full-length SLN1-myc (pCLM994); sln1ΔDelta;ECD, JF2007 carrying sln1ΔDelta;ECD-myc (pCLM1774). C, comparison of Hog1 phosphorylation kinetics in SLN1 (JF2008 (sln1ΔDelta; sho1ΔDelta;) carrying full-length (pCLM994)) and sln1ΔDelta;ECD (JF2008 (sln1ΔDelta; sho1ΔDelta;) carrying sln1ΔDelta;ECD (pCLM1774)) strains following addition of 0.4 M NaCl. D, Northern (RNA) hybridization analysis of RNA prepared from wild type cultures from the sln1ΔDelta; strain, JF2007, or sln1ΔDelta; ccw12ΔDelta; strain, JF2368, transformed with the SLN1 expression plasmids, pCLM994 (SLN1) or pCLM1774 (sln1ΔDelta;ECD), and treated with 1 unit/ml zymolyase (+) where indicated. NCA3 expression was normalized to expression of the SLN1-SKN7-independent CDC33 gene. The extent of induction by zymolyase is shown relative to the untreated SLN1 or sln1ΔDelta;ECD strains.

ADDITIONAL INFORMATION

Related Product Information for Zymolyase 100T Concentrate 10mg/ml, 0.1M Sorbitol enzyme	Zymolyase 100T Stock Concentrate 10mg/ml is a convenient preparation for use in yeast spheroplast/protoplast fusion and transformation protocols. Also useful for yeast tetrad dissection solutions.
Product Categories/Family for Zymolyase 100T Concentrate 10mg/ml, 0.1M Sorbitol enzyme	Molecular Biology; MB-Enzymes

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.