

LYTICASE

ENZYMATIC MIXTURE FOR
YEAST CELL WALL LYSIS



A&A BIOTECHNOLOGY

A&A Biotechnology is proud to offer recombinant Lyticase expressed in bacteria. Our recombinant Lyticase exhibits superior purity (>95%) at affordable price.

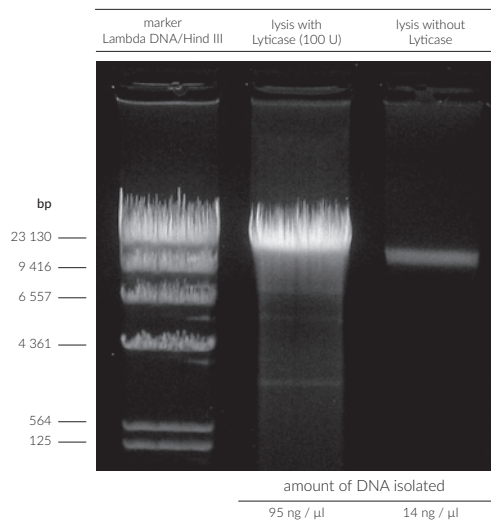
Lyticase is an enzymatic mixture for yeast cell wall lysis. The main component of Lyticase is β -1,3 glucanase, that hydrolyses poly- β (1 $\rightarrow$ 3)-glucose such as yeast cell wall glucan.

Głównym składnikiem Litykazy jest β -1,3 glukanaza, która rozpoznaje i hydrolizuje wiązanie β -1,3 glikozydowe, występujące w glukanie ściany komórkowej drożdży.

Lyticase efficiently lyses cell wall of following yeast species: *Ashbya*, *Candida*, *Debaryomyces*, *Eremothecium*, *Endomyces*, *Hansenula*, *Hanseniaspora*, *Kleockera*, *Kluyveromyces*, *Lipomyces*, *Metschikowia*, *Pichia*, *Pullularia*, *Torulopsis*, *Saccharomyces*, *Saccharomycopsis*, *Saccharomycodes*, *Schwianniomyces*.

Use of Lyticase significantly improves DNA isolation from yeast

Genomic DNA isolation from 1 ml of *Saccharomyces* culture.



Applications

- Generation of spheroplasts from yeast for transformation
- Efficient yeast cell lysis for DNA and RNA isolation

Unit definition

One unit will produce a ΔA_{800} of 0.001 per min at pH 7.5 at 25 °C, using a suspension of *S.cerevisiae* as substrate in 3 mL reaction mixture.

Products

- Lyticase, 10 000 U, cat. # 1018-10
- Lyticase, 50 000 U, cat. # 1018-50

Lyticase is also available included in our dedicated kits for genomic DNA isolation from yeast:

- Genomic Mini AX Yeast, cat. # 058-60
- Genomic Mini AX Yeast SPIN, cat. # 058-100S

Ordering

free samples available!

orders@aabiot.com, +48 58 6982194

