

Zymolyase[®] 20T
Molecular Biology Grade
Ref. UZ1000

Zymolyase 20T is used in the preparation of yeast DNA prior to restriction enzyme digestion and southern blot analysis by lysing the cell walls of viable yeast cells via hydrolysis of linear glucose polymers with β -1,3 linkages. Lysis depends upon yeast strain, growth stage and culture conditions. Exhibits strong lytic activity against living yeast cell walls releasing spheroplasts and protoplasts

Lot:

CAS N°:	[37340-57-1]
Appearance:	White, lyophilized powder
Essential enzyme:	β -1,3-glucan laminaripentaohydrolase
Activity:	>20 000 U/g 20900 U/g (lot analysis)
Heat stability:	Lytic activity lost on incubation at 60°C for 5 min.
Activators:	SH- compounds: 2-mercaptoethanol, cysteine or dithiothreitol
Storage:	Stable for 1 year at +4°C

Safety:**Danger**

H334 Peut provoquer des symptômes allergiques ou d'asthme ou des difficultés respiratoires par inhalation. **P261** Éviter de respirer les poussières/ fumées/ gaz/ brouillards/ vapeurs/ aérosols. **P342+P311** En cas de symptômes respiratoires: appeler un CENTRE ANTIPOISON ou un médecin.

Experimental precautions:

- 1- Avoid nitrocellulose filters due to non-specific adsorption onto the membrane
- 2- If using sterilized Zymolase 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

Laboratory use only