

Determination of the efficient enzyme concentration for lytic digestion of vegetative cells but not spores in *Schizosaccharomyces pombe*

Miroslava Pozgajova, Alica Navratilova, Anna Trakovicka

References

- BAHALUL, M., KANETI, G. and KASHI, Y. (2010) Ether–zymolyase ascospore isolation procedure: an efficient protocol for ascospores isolation in *Saccharomyces cerevisiae* yeast. *Yeast*, vol.27, no.12, pp.999–1003. doi:<http://dx.doi.org/10.1002/yea.1808>
- DAWES, I.W. and HARDIE, I.D. (1974) Selective killing of vegetative cells in sporulated cultures by exposure to diethyl ether. *Mol Gen Genet*, vol.131, no. 4, pp. 281–289. doi:<http://dx.doi.org/10.1007/BF00264859>
- DONOVAN, D.M., KERR, D.E. and WALL, R.J. (2005) Engineering disease resistant cattle. *Transgenic Res*, vol. 14, pp. 563–567. doi:<http://dx.doi.org/10.1007/s11248-005-0670-8>
- KHARE, A. K., SINGH, B., and SINGH, J. (2011) A fast and inexpensive method for random spore analysis in *Schizosaccharomyces pombe*. *Yeast*, vol. 28, pp. 527–533. doi:<http://dx.doi.org/10.1002/yea.1855>
- MORENO, S., KLAR, A. and NURSE, P. (1991) Molecular genetic analysis of the fission yeast *Schizosaccharomyces pombe*. *Methods Enzymol*, vol. 194, pp. 795–823. [http://dx.doi.org/10.1016/0076-6879\(91\)94059-L](http://dx.doi.org/10.1016/0076-6879(91)94059-L)
- PARENTI-CASTELLI G, et al. (1974) Effect of soluble and membrane proteins upon diethyl ether extraction of aqueous phospholipid dispersions. *Lipids*, vol.9, pp.221–228. doi:<http://dx.doi.org/10.1007/BF02532197>
- SALAZAR, O. and ASENJO, J.A. (2007) Enzymatic lysis of microbial cells: Review. *Biotechnology Letters*, vol. 29, no. 7, pp. 985-994. doi:<http://dx.doi.org/10.1007/s10529-007-9345-2>
- SMITH, G.R. (2009) Genetic Analysis of Meiotic Recombination in *Schizosaccharomyces pombe* *Methods Mol Biol.*, vol. 557, pp. 65–76. doi:http://dx.doi.org/10.1007/978-1-59745-527-5_6
- YANG, Y.G, et al. (2000) The application of a novel lytic system to the recovery of recombinant proteins in *E. coli*. *Sheng Wu Hua Xue Yu Sheng Wu Wu Li Xue Bao (Shanghai) Acta biochimica et biophysica Sinica*, vol. 32, no. 3, pp. 211–216.
- ŽUKAITE, V. and BIZIULEVIČIUS, G.A. (2000) Acceleration of hyaluronidase production in the course of batch cultivation of *Clostridium perfringens* can be achieved with bacteriolytic enzymes. *Letf Appl Microbiol*, vol. 30, pp. 203–206. doi:<http://dx.doi.org/10.1046/j.1472-765x.2000.00693.x>