

Baykousheva, S. and Ilieva, K. 1987. Suppression of serine protease secretion and sporulation in *Bacillus subtilis* by detergents. *F.E.C.S. Int. Conf. Chem. Biotechnol. Biol. Act. Nat. Prod., [Proc.]*, 3rd 4:121-5.

In *Bacillus subtilis* grown under aeration at 37° for 24 h in liquid nutrient medium containing the nonionic detergents octylphenol-polyethylene glycol ether or polyoxyethylene monocetyl ether, increasing the concentrations of the detergents led to a decrease in the amount of protease secreted from the cells and abolished sporulation. Possible mechanisms by which these detergents caused these actions are discussed.