

ABSTRACT

Present study is concerned with the optimization of cultural conditions for the production of invertase by *Saccharomyces cerevisiae* GCB-105. Different cultural conditions were optimized for the enhanced production of invertase. The maximum invertase production was achieved at 3.0 % sucrose, 5.0 % Soybean meal, 5.0 % peptone and 3.0 % yeast extract after 48 hours of fermentation in shake flask. Vegetative inoculum at a level of 4.0% (v/v) and initial pH 5.5 were found best for maximum (19.66 U/ml) production of invertase.