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## Effects of RNase from Bacillus intermedius on Growth of Saccharomyces cerevisiae

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## **Abstract**

The effects of RNase from Bacillus intermedius on proliferation of Saccharomyces cerevisiae were studied. The enzyme (0.01  $\mu$ g/ml) stimulated the yeast cell budding. This effect was dose-dependent and required an appropriate physiological stage of the growing culture cells. RNase produced maximal effects when added to exponentially growing cultures, Analysis of the age structure of the population showed that exogenous RNase stimulated the cell cycle at a stage preceding the initiation of DNA synthesis and budding of single yeast cells and cells occurring at the budding stage III. RNase did not decrease the buoyancy and osmotic sensitivity of baker's yeast.