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The invention relates to biotechnology, in particular to a process for preserving the *Saccharomyces cerevisiae* CNMN-Y-20 yeast strain, which can be used for long-term storage of microorganisms and their use as sources of biologically active substances.

The process, according to the invention, comprises cultivating the *Saccharomyces cerevisiae* CNMN-Y-20 yeast strain on a nutrient medium for 72 hours at a temperature of 26…28°C, suspending the culture to a titer of 10^5…10^6 ml^{-1} in a medium consisting of skim milk and 5…10% vol. water-ethanol solution, comprising 5 mg/ml of amino acid and oligopeptide extract, obtained from spirulina biomass, rapid freezing of suspension at a temperature of -20°C, lyophilization and storage at a temperature of 4°C.

The technical result of the invention consists in increasing the protein and carbohydrate content in the *Saccharomyces cerevisiae* CNMN-Y-20 yeast biomass after one year of storage in a lyophilized state by 9.35…52.86% and 11.16…18.59% respectively.

Claims: 1