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The invention relates to biotechnology, namely to the submerged cultivation of *Lentinus edodes* (Berk.) Sing. CNMN-FB-01 fungi strain, producer of biomass that can be used for producing medicinal preparations with curative and nutraceutical properties.

The method for submerged cultivation of *Lentinus edodes* (Berk.) Sing. CNMN-FB-01 fungi strain provides for the inoculation of seed material in the amount of 10% v/v into a nutrient medium, containing, g/L:  $\text{NH}_4\text{NO}_3$  0.20,  $\text{KH}_2\text{PO}_4$  1.30,  $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$  0.35, tris(2,6-dimethyl pyridinedicarboxylate-1kONO)-di- $\mu$ -(isothiocyanato-1.2kN)-(diisocyanato-2kN)barium(II)cobalt(II) 0.005-0.015, beer wort 5°Balling the rest, and cultivation with continuous stirring at a temperature of 28-30°C for 144 hours.

The technical result of the invention consists in reducing the duration of cultivation by 48 hours and increasing the production of biomass.

Claims: 1