

	<b>PROCESS FOR SUBMERGED CULTIVATION OF STRAIN <i>LENTINUS EDODES</i> (BERK.) SING. CNMN-FB-01</b>
<b>Title</b>	
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<b>Patent no.</b>	<b>MD 4843 from 31.01.23</b>
<b>Description</b>	The invention relates to biotechnology, namely to the submerged cultivation of <i>Lentinus edodes</i> (Berk.) Sing. CNMNF-01 fungi strain, producer of biomass. The method for submerged cultivation of <i>Lentinus edodes</i> (Berk.) Sing. CNMN-FB-01 fungi strain includes the inoculation of seed material in the amount of 10% v/v into a nutrient medium, containing, g/L: NH <sub>4</sub> NO <sub>3</sub> – 0.20, KH <sub>2</sub> PO <sub>4</sub> – 1.30, MgSO <sub>4</sub> ·7H <sub>2</sub> O – 0.35, tris(2,6-dimethyl pyridinedicarboxylate-1kONO)-di-μ-(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.
<b>EN</b>	The technical result of the invention consists in reducing the duration of cultivation by 48 hours and increasing the production of biomass by 35.7-38.2%.

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The invention can be used for producing medicinal preparations with curative and nutraceutical properties.

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