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The invention relates to biotechnology, in particular to a process for cultivation of microalga *Dunaliella salina* CNMN-AV-01.

The process for cultivation of microalga *Dunaliella salina* CNMN-AV-01 comprises its cultivation on a mineral nutrient medium containing, g/L: NaCl - 120.0, $NaHCO_3$ - 4.2, $MgSO_4$ – 0.6, KNO_3 - 0.5, $FeCl_3$ - 0.0002, $CaCl_2$ - 0.033, $KHPO_4$ - 0.0272, EDTA – 0.0087, silver nanoparticles with a size of 5 nm – 0.0005…0.00055, at a temperature of 25…28°C, pH 8.0 and constant illumination of 3000…4000 lx, for 8 days.

The result of the invention consists in increasing the yield of biomass of *Dunaliella salina* CNMN-AV-01 and the content of lipids in biomass in order to obtain raw material for the development and production of liposoluble remedies.

Claims: 1