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The invention refers to biotechnology, in particular to a process for submerged cultivation of *Penicillium expansum* fungi strain and may be used in the microbiological industry for obtaining cellulolytic preparations with an increased content of cellobiohydrolase.

The process for submerged cultivation of *Penicillium expansum* CNMN FD 05 C fungi strain includes preparation of the spore suspension, treatment thereof during 30 min with low-intensity waves with λ 5,6 mm, emitted in periodic regime, inoculation of the treated suspension onto a nutrient medium with pH 4,5, with the following composition, mass %: KH_2PO_4 0,1, CaCl_2 0,01, KCl 0,01, $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ 0,03, NaNO_3 0,25, $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$ 0,001, corn extract 1,5, corn stems 4,0, distilled water the rest and cultivation at the temperature of 28...30°C during 120 hours.

The result of the invention consists in increasing the cellobiohydrolase biosynthesis.

Claims: 1