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The invention relates to biotechnology, in particular to a process for cultivation of *Rhizopus arrhizus* CNMN FD 03 fungus strain – producer of lipases.

The process, according to the invention, provides the preparation of a suspension of spores of a strain grown for 30 days on a sloped wort agar medium, addition in the suspension of Fe₃O₄ nanoparticles with the dimension of 70 nm in a concentration of 0.005...0.01% with stirring for 1 2 min, inoculation of the suspension in a nutrient medium in a concentration of 10% vol. and deep cultivation at a temperature of 28...30°C with continuous stirring at 180...200 rpm for 48 hours.

Claims: 1