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Title: MEDIUM FOR LYOPHILISATION OF FUNGAL STRAINS OF THE GENUS TRICHODERMA.
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Category: A.

Description: *The invention relates to biotechnology, namely to a medium for lyophilization of fungal strains of the genus Trichoderma and can be used for conservation and long-term storage of fungal strains. The medium, according to the invention, comprises, %: glucose - 7, Fe2ZnO4 nanoparticles - 0.0005 and skim milk - the rest. The result of the invention consists in increasing the viability of fungal strains after lyophilization and after storage in lyophilized state. The proposed protection medium (skimmed milk + 7% glucose + 5 mg /l nanoparticles Fe2ZnO4) for lyophilization of fungi of the genus Trichoderma contributes to the stimulation of their viability after lyophilization and keeping in lyophilized state by 5-14,7% compared to the control variant. Areas of application: Microbiology, Biotechnology. The research was carried out within the project 20.80009.7007.09, funded by NARD.*

State of development: The implementation of process is carried out within the National Collection of Non-Pathogenic Microorganisms, and PhD thesis.

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