

THE PROCEDURE FOR CULTIVATION OF *RHODOTORULA GRACILIS* YEASTS

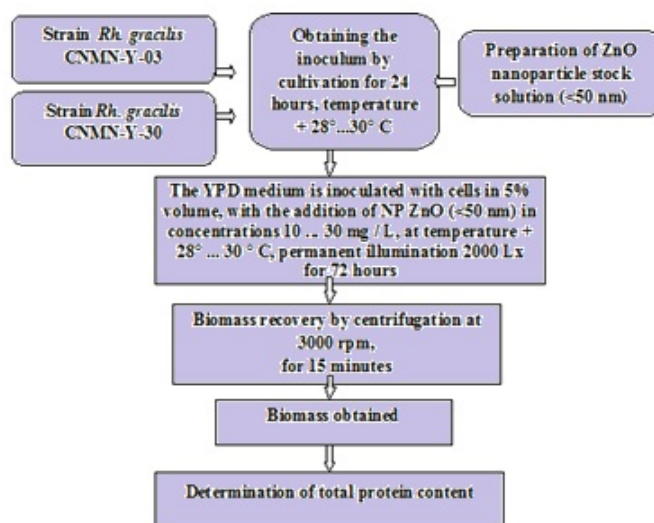
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Recently, the mechanism of action of nanoparticles has received increased scientific interest. New procedure for cultivation yeast *Rhodotorula gracilis* with the application of zinc nanoparticles can be used to obtain proteins with high potential for application.

In this study are presented results of research regarding zinc oxide nanoparticles on the protein content of two yeast strains *Rhodotorula gracilis*. It was elaborated new procedure for accumulation of high content of proteins with application of nanoparticles.

The elaborated procedure of cultivating yeasts *Rhodotorula gracilis* with the application of metal oxide nanoparticles corresponds to the worldwide level of development of microbial biotechnologies of strategic importance with practical application in the country's industries.



Scheme 1.