

The invention refers to biotechnology, in particular to a process for cultivation of cyanobacteria *Spirulina platensis*.

The process for cultivation of cyanobacteria *Spirulina platensis* includes seeding of spirulina on the Gromov's medium No. 16, wherein on the third day of cultivation it is added in the capacity of zinc source one of the coordinative compounds:  $[\text{Zn}(\text{CH}_3\text{COO})_2 \cdot 4\text{H}_2\text{O}]$ ,  $[\text{Zn}(\text{CH}_2\text{ClCOO})_2 \cdot 4\text{H}_2\text{O}]$ ,  $[\text{Zn}(\text{CH}_2\text{BrCOO})_2 \cdot 4\text{H}_2\text{O}]$ ,  $[\text{Zn}(\text{CHBr}_2\text{COO})_2 \cdot 4\text{H}_2\text{O}]$ ,  $[\text{Zn}(\text{CCl}_3\text{COO})_2 \cdot 4\text{H}_2\text{O}]$ ,  $[\text{Zn}(\text{CBr}_3\text{COO})_2 \cdot 4\text{H}_2\text{O}]$  in the concentration of 5...20 mg/L. The cultivation is carried out during 6 days at the lighting of 3000...4000 lx and the temperature of 30...35°C.

The result of the invention consists in increasing the productivity of spirulina with increased content of peptides and aminoacids.

Claims: 1