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The invention refers to biotechnology, especially to a process for cultivation of cyanobacterium *Nostoc linckia* (Roth) Born et Flah CNM-CB-03.

The process for cultivation of cyanobacterium *Nostoc linckia* (Roth) Born et Flah CNM-CB-03 includes inoculation of cyanobacterium in the quantity of 0,2 g/L onto a nutrient medium with the following composition, g/L:  $K_2HPO_4$  0,2,  $MgSO_4 \cdot 7H_2O$  0,2,  $CaCl_2$  0,15,  $NaHCO_3$  0,2, microelements, mg/L:  $ZnSO_4 \cdot 7H_2O$  0,22,  $MnSO_4$  1,81,  $CuSO_4 \cdot 5H_2O$  0,079,  $NaBO_3 \cdot 4H_2O$  2,63,  $(NH_4)_6 MO_7O_{24} \cdot 4H_2O$  1,0,  $FeSO_4 \cdot 7H_2O$  9,3,  $CaCl_2$  1,2,  $CoNO_3 \cdot 2H_2O$  0,02 and EDTA 10,0 with introduction on the 5-th day of cultivation of 1 mg/L of Fe(III) hydroxypicolinate and cultivation of cyanobacterium by the light of 3000 lx during the first 5 days and 2000 lx the next 9 days. At the same time, on the third day of cultivation into the nutrient medium is added 0,4...0,6 g/L  $KNO_3$ .

The result of the invention consists in increasing the productivity of cyanobacterium with a high content of phycobilins.

Claims: 1