

a 2010 0101

The invention relates to biotechnology, in particular to the production of a cellulase-amylase complex which can be used in animal husbandry as a means to improve the assimilation of food rations.

The process for the production of cellulase-amylase complex includes submerged cultivation of *Aspergillus niger* CNMN-FD-10 fungus strain on a nutrient medium in the following component ratio, g/L: sugar beet pulp – 10.0; starch – 10.0; wheat bran – 20.0; KH_2PO_4 – 1.0; $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$ – 0.1; $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ – 0.3; NaNO_3 – 2.5; water up to 1.0 L, at pH 6.0, during 168 hours, after cultivation the culture liquid is separated from the biomass by filtration or centrifugation, the cellulase-amylase complex is separated from the culture filtrate by sedimentation with rectified ethyl alcohol and centrifuged.

Claims: 1