

94-0006

The invention is related to the stems of microorganism-producers of biological active substances, especially from the stem of *Porphyridium cruentum*, which might be used in microbiological industry for obtaining phycoerythrin, polyunsaturated adipic acidities, especially arachidonic and ecosapentaenic polysaccharide intra - and extracellular.

The stem might be cultivate in sea water and in mineral artificial medium, characteristic being the fact that produces 6 g/l cellular weight absolutely dry and 2 g/l exopolysaccharide, starting from one inoculum of 0,5 g/l.

Technical effect of invention consists in the next:

- the obtaining of a high level of productivity: 6 g/l cellular weight and 3 g/l exopolysaccharide
- the obtaining of a considerably quantity of biological active substances: albumen 35%; glycerin - 3-4%; general lubricant - 10%; arachidonic acid - 1,5%, ecosapentaenic acid -1,6%, intracellular sugar - 15-20%.

Claims: 1