

Title (en)
METHOD FOR THE CULTIVATION OF MICROORGANISMS OF THE GENUS I THRAUSTOCHYTRIALES /I BY USING AN OPTIMIZED LOW SALT MEDIUM

Title (de)
VERFAHREN ZUR KULTIVIERUNG VON MIKROORGANISMEN DER GATTUNG i THRAUSTOCHYTRIALES /i UNTER VERWENDUNG EINES OPTIMIERTEN NIEDRIGSALZMEDIUMS

Title (fr)
PROCEDE POUR CULTIVER DES MICRO-ORGANISMES DE L'ORDRE DES I THRAUSTOCHYTRIALES /I DANS UN MILIEU FAIBLEMENT SALIN OPTIMISE

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Application
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Abstract (en)
[origin: WO2005045003A2] The invention relates to an optimized method for cultivating microorganisms of the genus thraustochytriales, according to which the microorganisms are cultivated in a low salt medium without adding sodium salts and chloride salts, the total salt content being less than 3.5g/L (corresponding to less than 10 percent of sea water content), whereupon the PUFAs are isolated from the microorganisms and/or the medium. The invention especially relates to novel optimized media having a substantially reduced total salt content, above all a particularly reduced NaCl content. The production of PUFAs can be substantially improved and significantly simplified by using a novel combination of different salts as a media composition in which the overall weight ratios of Na<+> and Cl<-> ions do not exceed 1.75 g/L. Furthermore, said medium preferably contains no added sodium salt and chloride salt at all, which helps prevent environmental damages caused by wastewaters containing salt.

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