

Title (en)  
THE PRODUCTION OF PRIMMORPHS FROM DISASSOCIATED CELLS OF SPONGES, CORALS AND OTHER INVERTEBRATES, AND USE THEREOF

Title (de)  
HERSTELLUNG VON PRIMMORPHEN AUS DISSOZIIERTEN ZELLEN VON SCHWÄMMEN, KORALLEN UND WEITEREN INVERTEBRATEN UND DEREN VERWENDUNG

Title (fr)  
PREPARATION DE MORPHES PRIMAIRES A PARTIR DE CELLULES DISSOCIEES D'EPONGES, DE CORAUX ET D'AUTRES INVERTEBRES, ET LEUR UTILISATION

Publication  
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Application  
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Abstract (en)  
[origin: DE19824384A1] The invention relates to the establishment of a novel method for cultivating sponge cells, coral cells and cells of other invertebrates in vitro. The cells cultivated in vitro, which can be cultivated as units similar to aggregates, are called primmorphs. The inventive method enables the following processes to be carried out with cells/aggregates/primmorphs for the first time: (i) the production of proliferation-, DNA synthesis modulating substances; (ii) the identification/detection of substances which are harmful to the environment; (iii) the cultivation of bacteria and other microorganisms; (iv) the production of sexless reproducing bodies which can be used in acquaculture for breeding the corresponding organisms; (v) for creating cell banks; (vi) for optimising nutritional needs of the cells/aggregates/primmorphs and (vii) for identifying substances which modulate the telomerase activity in cells/aggregates/primmorphs.

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