

Title (en)
PROCESS FOR PRODUCING CARRIER PARTICLES FOR THE CULTIVATION OF BIOLOGICAL CELLS, CARRIER PARTICLES AND THEIR USE

Title (de)
VERFAHREN ZUR HERSTELLUNG VON TRÄGERPARTIKELN FÜR DIE KULTIVIERUNG BIOLOGISCHER ZELLEN, TRÄGERPARTIKEL UND DEREN ANWENDUNG

Title (fr)
PROCÉDÉ DE PRODUCTION DE PARTICULES PORTEUSES POUR LA CULTURE DE CELLULES BIOLOGIQUES, PARTICULES PORTEUSES ET LEUR UTILISATION

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Application
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Abstract (en)
[origin: WO2021255008A1] The invention relates to a process for producing carrier particles for the cultivation of biological cells, comprising the steps of providing an aqueous suspension of hydrogel beads and freeze-drying of the hydrogel beads so that dry hydrogel particles are formed, wherein at least one lyoprotectant substance is added to the suspension, the hydrogel beads are loaded in the suspension with the lyoprotectant substance and the dry hydrogel particles receive a shape under the effect of the lyoprotectant substance, which shape approximates a spherical particle shape and is still maintained after rehydrating. The invention also relates to carrier particles for a cultivation of biological cells, which comprise dry hydrogel particles, preferably having a protein coating, and to applications of the carrier particles.

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