

Title (en)

CELLULAR MICROCOMPARTMENTS COMPRISING HUMAN CELLS UNDERGOING CARDIAC DIFFERENTIATION, TISSUES OBTAINED FROM SAID MICROCOMPARTMENTS AND USES THEREOF

Title (de)

ZELLMIKROKOMPARTIMENTE MIT MENSCHLICHEN ZELLEN, DIE HERZDIFFERENZIERT WERDEN, AUS DIESEN MIKROKOMPARTIMENTEN ERHALTENE GEWEBE UND VERWENDUNGEN DAVON

Title (fr)

MICROCOMPARTIMENTS CELLULAIRES COMPRENANT DES CELLULES HUMAINES EN COURS DE DIFFERENCIATION CARDIAQUE, TISSUS OBTENUS A PARTIR DE CES MICROCOMPARTIMENTS ET UTILISATIONS

Publication

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Application

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Abstract (en)

[origin: WO2022058615A1] The invention relates to cellular microcompartments, each microcompartment successively comprising the following layers, which are organised around at least one lumen: - at least one inner layer of human cells undergoing cardiac differentiation, expressing at least one gene chosen from PDGFR $\alpha$ , MESP-1, NKX2-5, GATA4, MEF2C, TBX20, ISL1 and TBX5, - at least one intermediate layer of isotonic aqueous solution, and - at least one outer hydrogel layer. The invention also relates to the cardiac tissues obtained from said microcompartments and the use thereof, particularly in the treatment of heart disease.

IPC 8 full level

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