

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2022/162063 A1

(43) International Publication Date
04 August 2022 (04.08.2022)

(51) International Patent Classification:

C12N 5/071 (2010.01) A61K 35/39 (2015.01)
C12N 5/0775 (2010.01) A61K 35/407 (2015.01)

(21) International Application Number:

PCT/EP2022/051893

(22) International Filing Date:

27 January 2022 (27.01.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

21154298.0 29 January 2021 (29.01.2021) EP

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: METHOD FOR STIMULATING CELL GROWTH AND PROLIFERATION OF CELLS OF INTEREST, AND METHOD FOR PREPARING A LIVER OR PANCREAS IMPLANT

(57) Abstract: The present invention provides inter alia a method for preparing a liver or pancreas implant including the steps of: 2a) providing a carrier matrix suitable for tissue engineering and a cell suspension comprising viable hepatocytes and/or cells of islets of Langerhans in a standard culture medium A; 2b) loading the cell suspension onto the carrier matrix; 2c) incubating the loaded matrix for a first incubation time T1 of at least 10 hours at about 37°C in either - standard culture medium A or - a culture medium B comprising standard culture medium A and 0.5% to 5% secretome; 2d) exchanging the culture medium of step 2c) with culture medium B comprising standard culture medium A and 0.5% to 5% secretome; 2e) incubating the loaded matrix for a second incubation time T2 of at least 24 hours at about 37°C in culture medium B; 2f) washing the loaded matrix of step e) with standard culture medium A to remove at least part of the secretome.



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