

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 July 2009 (09.07.2009)

PCT

(10) International Publication Number
WO 2009/086191 A1

(51) International Patent Classification:
C12N 5/02 (2006.01) *C12N 5/08* (2006.01)

(21) International Application Number:
PCT/US2008/087818

(22) International Filing Date:
19 December 2008 (19.12.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/015,764 21 December 2007 (21.12.2007) US
20076604 21 December 2007 (21.12.2007) NO

(71) Applicant (for all designated States except US): **CELL-CURA, INC.** [US/US]; 505 South Rosa Road, Suite 115, Madison, WI 53719 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **ALI BIN M. ABDULLAH, Jaffar** [MY/MY]; A4-3 Kondo Danau Murni, Taman Danau Desa, 58100 Kuala Lumpur (MY).

(74) Agent: **PILLAI, Suresh, B.**; McDonnell Boehnen Hulbert & Berghoff LLP, 300 S. Wacker Drive, Suite 3100, Chicago, IL 60606 (US).

(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, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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

Published:

— with international search report

(54) Title: PROTEIN-FREE GAMETE AND EMBRYO HANDLING AND CULTURE MEDIA PRODUCTS

(57) Abstract: This invention discloses a protein-free cell culture medium for assisted reproductive technologies containing 14 kDa methylcellulose.



WO 2009/086191 A1