



(51) International Patent Classification:

C12M 1/00 (2006.01) *C12M 1/12* (2006.01)
A61L 2/00 (2006.01) *C12N 5/00* (2006.01)

(21) International Application Number:

PCT/US2013/045663

(22) International Filing Date:

13 June 2013 (13.06.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/662,814 21 June 2012 (21.06.2012) US

(71) Applicants: **BAXTER INTERNATIONAL INC.**

[US/US]; One Baxter Parkway, Deerfield, Illinois 60015 (US). **BAXTER HEALTHCARE S.A.** [CH/CH]; Thurgauerstrasse 130, CH-8152 Glattpark (Opfikon) (CH).

(72) Inventors; and

(71) Applicants : **MUNDT, Wolfgang** [AT/AT]; Florianigasse 57/1/2/6, A-1080 Vienna (AT). **MITTERER, Artur** [AT/AT]; Schwarzeckerweg 10, A-2304 Orth/Donau (AT). **REITER, Manfred** [AT/AT]; Gebrueder-Lang-Gasse 11/17, A-1150 Vienna (AT). **HASSLACHER, Meinhard** [AT/AT]; Vorgartenstrasse 221/1/7, A-1020 Vienna (AT). **GRILLBERGER, Leopold** [AT/AT]; Finsterergasse 1a, A-1220 Vienna (AT). **KREIL, Thomas** [AT/AT]; Ziegelofengasse 93-95, A-3400 Klosterneuburg (AT).

(74) Agent: **BRIVANLOU, Margaret**; King & Spalding LLP, 1185 Avenue of the Americas, New York, New York 10036 (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, BN, BR, BW, BY, BZ, CA, CH, CL, 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, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, 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: VIRUS FILTRATION OF CELL CULTURE MEDIA

(57) Abstract: The invention relates to a method for removing a viral contaminant from a preparation, being a cell culture medium or at least a component of a cell culture medium. The method comprises subjecting said preparation to filtration for at least about 24 hours through a virus filter having an effective pore size of maximum about 75 nm. Further, the invention relates to the use of a virus filter in filtration of at least about 24 hours, wherein the virus filter has an effective pore size of maximum about 75 nm for the removal of viral contaminant from a preparation, being a cell culture medium or at least a component of a cell culture medium. In some embodiments the filtration according to the invention operates at a volumetric capacity of at least about 2000 L/m². Further, the invention relates to the use of a preparation, being a cell culture medium or at least a component of a cell culture medium obtainable according to method of the invention for cell culture; pharmaceutical, diagnostic and/or cosmetic preparations as well as in food preparations.

