



(51) International Patent Classification:

A61K 35/30 (2015.01) C12N 5/0797 (2010.01)
C12N 5/0793 (2010.01) C12N 5/16 (2006.01)

(21) International Application Number:

PCT/US2023/021961

(22) International Filing Date:

12 May 2023 (12.05.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/348,709 03 June 2022 (03.06.2022) US

(71) Applicant: **BLUEROCK THERAPEUTICS LP**
[US/US]; 1 Broadway, Floor 15, Cambridge, Massachusetts
02142 (US).

(72) Inventors: **OLAH, Ema Cristina**; c/o BluerockTherapeu-
tics LP, 1 Broadway, Floor 15, Cambridge, Massachusetts
02142 (US). **COINDRE, Virginie Florence Margherita**;
c/o BluerockTherapeutics LP, 1 Broadway, Floor 15,
Cambridge, Massachusetts 02142 (US). **AFFAR, Ali**; c/
o BluerockTherapeutics LP, 1 Broadway, Floor 15, Cam-
bridge, Massachusetts 02142 (US). **CONANT, Genevieve**

Ann; c/o BluerockTherapeutics LP, 1 Broadway, Floor 15,
Cambridge, Massachusetts 02142 (US). **LALÉ, Shantanu**
Vijay; c/o BluerockTherapeutics LP, 1 Broadway, Floor
15, Cambridge, Massachusetts 02142 (US). **LI, Xinpei**; c/
o BluerockTherapeutics LP, 1 Broadway, Floor 15, Cam-
bridge, Massachusetts 02142 (US). **SHAH, Tanvia Ma-**
hesh; c/o BluerockTherapeutics LP, 1 Broadway, Floor 15,
Cambridge, Massachusetts 02142 (US).

(74) Agent: **GROLZ, Edward**; Scully, Scott, Murphy & Press-
er, 400 Garden City Plaza Suite 300, Garden City, New York
11530 (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, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, 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.

(54) Title: CELL DELIVERY VEHICLE AND METHODS OF USING THE SAME

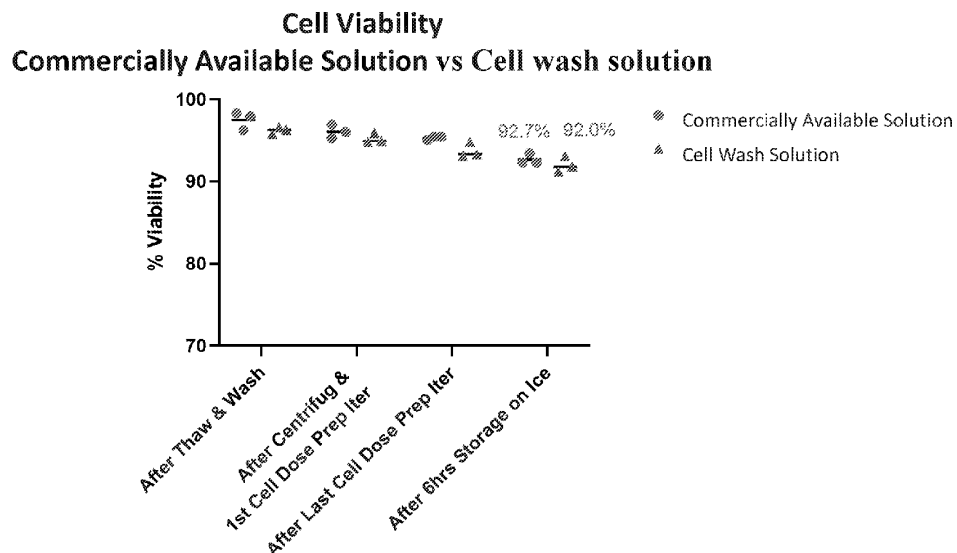


FIG. 1

(57) Abstract: The present disclosure is directed to various compositions that include one or more energy source components; one or more pH buffers; one or more salts; and one or more stabilizing agents and one or more cell types.

[Continued on next page]

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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))