

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
12 June 2025 (12.06.2025)



(10) International Publication Number
WO 2025/122903 A1

- (51) **International Patent Classification:**
C12N 15/86 (2006.01) C12N 15/87 (2006.01)
- (21) **International Application Number:**
PCT/US2024/058918
- (22) **International Filing Date:**
06 December 2024 (06.12.2024)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
- | | | |
|------------|-------------------------------|----|
| 63/608,085 | 08 December 2023 (08.12.2023) | US |
| 63/640,415 | 30 April 2024 (30.04.2024) | US |
| 63/642,346 | 03 May 2024 (03.05.2024) | US |
| 63/654,447 | 31 May 2024 (31.05.2024) | US |

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, 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))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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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, 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,

(54) **Title:** METHODS FOR IMPROVING VIRUS-LIKE PARTICLE PRODUCTION PER CELL

(57) **Abstract:** A method of producing virus-like particle production using electroporation. The method comprises cultivating a population of cells in a log growth phase in a cell culture vessel using media, cultivating the population of cells to a desired level of confluency, removing the media from the cell culture vessel and adding a transfection buffer. The method further comprises adding to the cell culture vessel at least one vector, electroporating the cell population, culturing the cell population and seeding the cells located in the cell culture vessel. The disclosed method may further include adding an endonuclease to the cell culture vessel, adding a compound that increases transcription efficiency and subjecting the cell culture to a temperature shift.



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