

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
22 August 2024 (22.08.2024)



(10) International Publication Number
WO 2024/173621 A3

(51) International Patent Classification:

C12N 7/00 (2006.01) A61K 39/00 (2006.01)
A61K 39/12 (2006.01) A61K 39/127 (2006.01)
A61K 48/00 (2006.01) C07K 14/005 (2006.01)
G01N 33/569 (2006.01) C07K 16/10 (2006.01)

(21) International Application Number:

PCT/US2024/015894

(22) International Filing Date:

15 February 2024 (15.02.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/485,090 15 February 2023 (15.02.2023) US

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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, 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,

(54) Title: DENGUE VIRUS MRNA VACCINE AND METHOD AGAINST DENGUE VIRUS INFECTION USING THE SAME

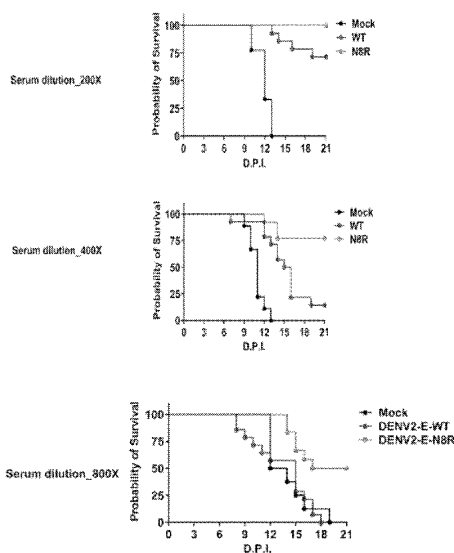


Fig. 6

(57) Abstract: The present invention relates to a dengue virus messenger ribonucleic acid (mRNA) vaccine. In particular, the vaccine includes an mRNA encoding a mutant envelop (E) protein of dengue virus at position 8 and/or 101 formulated in lipid nanoparticles. The mRNA vaccine of the present invention is safe and effective, which causes enhanced production of neutralizing antibodies against multiple serotypes of dengue virus and reduced antibody dependent enhancement (ADE) response.

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[Continued on next page]

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))
- with sequence listing part of description (Rule 5.2(a))

(88) Date of publication of the international search report:
10 October 2024 (10.10.2024)