

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
01 May 2025 (01.05.2025)



(10) International Publication Number
WO 2025/090132 A9



- (51) **International Patent Classification:**
Not classified
- (21) **International Application Number:**
PCT/US2024/028332
- (22) **International Filing Date:**
08 May 2024 (08.05.2024)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
63/501,972 12 May 2023 (12.05.2023) US
63/641,556 02 May 2024 (02.05.2024) US
- (71) **Applicant:** **LIFE TECHNOLOGIES CORPORATION** [US/US]; 5823 Newton Drive, Carlsbad, California 92008 (US).
- (72) **Inventors:** **DIX, Andrew**; 5823 Newton Drive, Carlsbad, California 92008 (US). **BACHIR, Alexia**; 5823 Newton Drive, Carlsbad, California 92008 (US).
- (74) **Agent:** **POLIZOTTO, Renée S.**; LIFE TECHNOLOGIES CORPORATION, Attn: IP Department, 5823 Newton Drive, Carlsbad, California 92008 (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:** METHODS AND KITS FOR DETECTING ENDOTOXIN

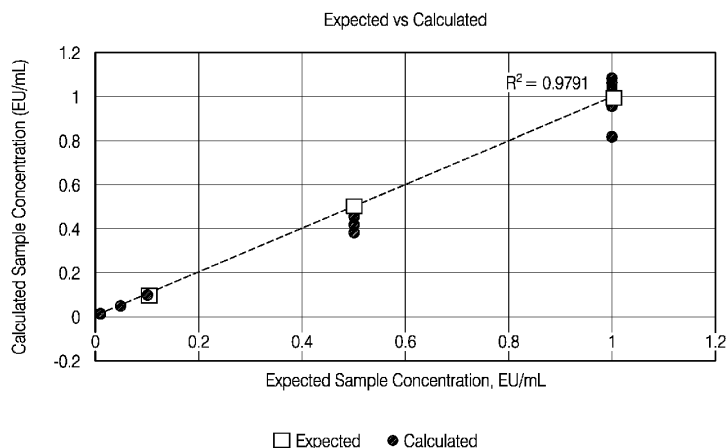


FIG. 6C

(57) **Abstract:** An improved amebocyte lysate-based method for the detection of endotoxin is described. The method requires only a single incubation step and permits the use of various sample input volumes, allowing for greater flexibility while maintaining sensitive detection of endotoxin at concentrations ranging from 0.01 to 10 endotoxin units (EU)/mL. Kits for performing the endotoxin detection method are also described.

[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:

- *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*
- *with sequence listing part of description (Rule 5.2(a))*

(48) Date of publication of this corrected version:

19 June 2025 (19.06.2025)

(15) Information about Correction:

see Notice of 19 June 2025 (19.06.2025)