

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
19 September 2024 (19.09.2024)



(10) International Publication Number
WO 2024/187244 A1

(51) International Patent Classification:

A61K 35/74 (2015.01) *C12N 1/04* (2006.01)
A61K 47/36 (2006.01) *C12R 1/00* (2006.01)
A61K 47/38 (2006.01)

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).

(21) International Application Number:

PCT/AU2024/050233

Published:

- with international search report (Art. 21(3))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE

(22) International Filing Date:

15 March 2024 (15.03.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2023900704 15 March 2023 (15.03.2023) AU

(71) Applicant: **COST-BRY PTY LTD (TRADING AS BIOMEBANK)** [AU/AU]; 2 Ann Nelson Drive, Thebarton, South Australia 5031 (AU).

(72) Inventors: **COSTELLO, Samuel Paul**; 2 Ann Nelson Drive, Thebarton, South Australia 5031 (AU). **DAY, Alice Sarah**; 2 Ann Nelson Drive, Thebarton, South Australia 5031 (AU). **HEIMAN, Garrett Grant**; 2 Ann Nelson Drive, Thebarton, South Australia 5031 (AU). **WHEELER, Reuben Zachary**; 2 Ann Nelson Drive, Thebarton, South Australia 5031 (AU). **HAYLOCK-JACOBS, Sarah**; 2 Ann Nelson Drive, Thebarton, South Australia 5031 (AU). **YOUNG, Remy Blair**; 2 Ann Nelson Drive, Thebarton, South Australia 5031 (AU).

(74) Agent: **WRAYS PTY LTD**; Level 7, 863 Hay Street, Perth, Western Australia 6000 (AU).

(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,

(54) Title: MICROBIOTA COMPOSITIONS AND METHODS FOR TREATING DISORDERS

(57) Abstract: The present invention relates to compositions for storing microbiota. The present invention also relates to dosage forms and methods of treating disorders and diseases by administering the composition to a patient in need thereof.

WO 2024/187244 A1