

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
05 August 2021 (05.08.2021)



(10) International Publication Number
WO 2021/151161 A1

(51) International Patent Classification:

A23K 10/18 (2016.01) *A23K 50/60* (2016.01)
A23K 40/30 (2016.01) *A23K 50/20* (2016.01)
A23K 50/10 (2016.01) *C12N 1/04* (2006.01)

(21) International Application Number:

PCT/AU2021/050064

(22) International Filing Date:

29 January 2021 (29.01.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2020900269 31 January 2020 (31.01.2020) AU
2001381.9 31 January 2020 (31.01.2020) GB

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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, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,

(54) Title: PROBIOTIC FORMULATION AND DELIVERY

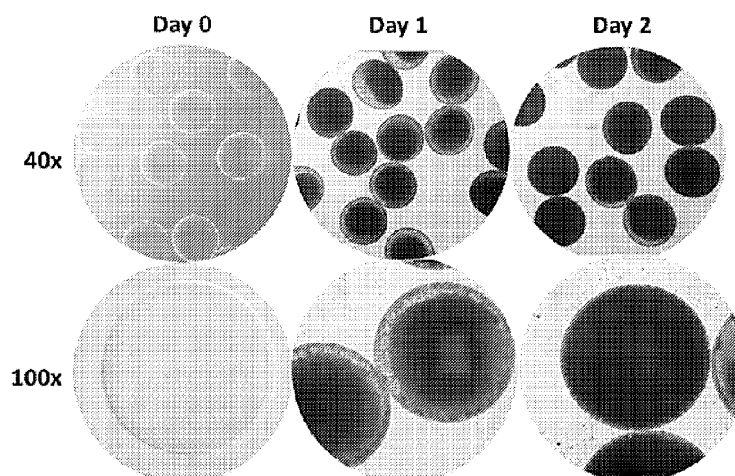


Figure 1

(57) Abstract: The present disclosure relates generally to encapsulated strict obligate anaerobic bacteria, (e.g., *Megasphaera elsdenii* and *Ruminococcus bromi*), compositions comprising same, and the use of said capsules and/or compositions to deliver the strict obligate anaerobic bacteria to the gastrointestinal tract (GI) of an animal, such as a livestock animal (e.g., a ruminant or hindgut fermenter). The present disclosure relates to the encapsulation of strict obligate anaerobic bacteria which utilize lactic acid and/or starch and the use of those encapsulated bacteria in the field of animal health and nutrition. In particular examples, the present disclosure utilises porous capsules comprising surface pores with a molecular weight cut off between 50 and 200 kDa and wall comprising a complex formed from sodium cellulose sulphate and poly[dimethyldiallyl-ammonium chloride].

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HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN,
KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD,
ME, MG, MK, MN, 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, GH, GM, KE, LR, LS, MW, MZ, NA, RW, 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, 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))