

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 April 2007 (26.04.2007)

PCT

(10) International Publication Number
WO 2007/048099 A2

(51) International Patent Classification:

A61K 35/37 (2006.01)

(21) International Application Number:

PCT/US2006/060055

(22) International Filing Date: 18 October 2006 (18.10.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/728,414

18 October 2005 (18.10.2005) US

(71) Applicant (for all designated States except US): **Organogenesis, Inc.** [US/US]; 150 Dan Road, Canton, MA 02021-2820 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ABRAHAM, Ginger, A.** [US/US]; 125 Spring Street, Hanover, MA 02339 (US). **NIXON, Andrew, J.** [US/US]; 83 Crapo Street, Bridgewater, MA 02324 (US).

(74) Agents: **EVANS, Barry** et al.; KRAMER LEVIN NAF-TALIS & FRANKEL LLP, 1177 Avenue of the Americas, New York, NY 10036 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ANTIMICROBIAL COLLAGENOUS CONSTRUCTS

(57) Abstract: Bioengineered collagen constructs with antimicrobial properties are provided. The bioengineered collagen constructs comprise a sheet-like layer of purified collagenous tissue matrix derived from a tissue source, such as the tunica submucosa of small intestine or a processed intestinal collagen layer derived from the tunica submucosa of small intestine, treated with an antimicrobial agent. The constructs are biocompatible. The present invention has a variety of applications, including wound dressing and surgical repair devices. Methods for treating a damaged or diseased soft tissue are provided. Methods for treating a wound in need of care and treatment are also disclosed.



WO 2007/048099 A2