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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
16 December 2004 (16.12.2004)

PCT

(10) International Publication Number
WO 2004/108093 A2

(51) International Patent Classification[7]: A61K

(21) International Application Number:
PCT/US2004/018009

(22) International Filing Date: 4 June 2004 (04.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/476,274 4 June 2003 (04.06.2003) US
10/659,413 10 September 2003 (10.09.2003) US

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(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, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, IT, LU, 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*

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(54) Title: ANTISEPTIC COMPOSITIONS, METHODS AND SYSTEMS

Organism ID	Di-potassium EDTA		Di-ammonium EDTA		Di-sodium EDTA		Tri- sodium EDTA		Tetra-sodium EDTA	
	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC
S24 Staph. epidermidis	<0.5	8	<0.5	4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
31 Staph. epidermidis	<0.5	8	<0.5	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
301 Staph. xylosus	<0.5	6	<0.5	4	<0.5	<0.5	<0.5	<0.5	<0.5	20
300 Staph.capitis	<0.5	10	<0.5	8	<0.5	<0.5	<0.5	<0.5	<0.5	10
J46 Staph.lentus	<0.5	10	<0.5	10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
S24 Staph.capitis	<0.5	8	<0.5	10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
R8 Staph. simulans	<0.5	8	<0.5	10	<0.5	1	<0.5	1.5	<0.5	1
72 S.aureus	1	6	1	6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
R57 S.aureus	1	8	1	10	<0.5	10	<0.5	<0.5	<0.5	8
R13 S.aureus	1	6	1	15	<0.5	10	<0.5	<0.5	<0.5	<0.5
R30 S.aureus	1	8	1	15	<0.5	10	<0.5	<0.5	------	------
8 S.aureus	1	8	1	10	<0.5	<0.5	<0.5	<0.5	------	------
R64 MRSA	1	6	1	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

(57) Abstract: Antiseptic compositions comprising at least one salt of EDTA are disclosed. These compositions have broad spectrum antimicrobial and antifungal activity together with anticoagulant properties. The antiseptic compositions also have demonstrated activity in penetrating and breaking down microbial slime, or biofilms. They are safe for human and medical uses, and may be used to prevent infection, or to reduce the proliferation of and/or eliminate existing or established infections.

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