



(51) International Patent Classification:
C12Q 1/68 (2006.01)

(21) International Application Number:
PCT/US2012/058492

(22) International Filing Date:
2 October 2012 (02.10.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/542,324 3 October 2011 (03.10.2011) US

(71) Applicant: **CELMATIX, INC.** [US/US]; 1 Little West
12th St., New York, NY 10014 (US).

(72) Inventor; and

(71) Applicant (*for US only*): **BEIM, Piraye, Yurttas**
[US/US]; 445 Lafayette St., Apt 6a, New York, NY 10003
(US).

(74) Agents: **MEYERS, Thomas, C.** et al.; Brown Rudnick
LLP, One Financial Center, Boston, MA 02111 (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, CZ, DE, DK, DM,
DO, 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, 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, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, 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,
ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished
upon receipt of that report (Rule 48.2(g))*

(54) Title: METHODS AND DEVICES FOR ASSESSING RISK TO A PUTATIVE OFFSPRING OF DEVELOPING A CONDI-
TION

(57) Abstract: The invention generally relates to methods and devices for assessing risk to a putative offspring of developing a con-
dition. In certain embodiments, the invention provides methods for assessing risk to a putative offspring of developing a condition
that involve obtaining a maternal sample, conducting an assay on at least one infertility- associated biomarker, and assessing risk to a
putative offspring of developing a condition based upon results of the assay.



WO 2013/052505 A2