



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

(21) International Application Number:
PCT/AU2011/001156

(22) International Filing Date:
7 September 2011 (07.09.2011)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (*for all designated States except US*): **HUMAN GENETIC SIGNATURES PTY LTD** [AU/AU]; Virology Research Laboratory, Level 3, Clinical Science Building, Prince of Wales Hospital, Randwick, NSW 2113 (AU).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **MILLER, Douglas, Spencer** [AU/AU]; 8 Rowland Avenue, Revesby, NSW 2212 (AU).

(74) Agent: **ALLENS PATENT & TRADE MARKS ATTORNEYS**; Deutsche Bank Place, Corner Hunter & Philip Streets, Sydney, NSW 2000 (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, 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, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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:

— with international search report (Art. 21(3))

(54) Title: MOLECULAR DETECTION ASSAY

(57) Abstract: The present invention relates to a molecular detection assay comprising treating a biological sample directly with a bisulphite agent under conditions that allow cell disruption and nucleic acid treatment; removing the bisulphite agent from the treated sample; and detecting a target nucleic acid in the treated sample.



WO 2013/033749 A1