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**ACCUGENOMICS, INC.**

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Image mark

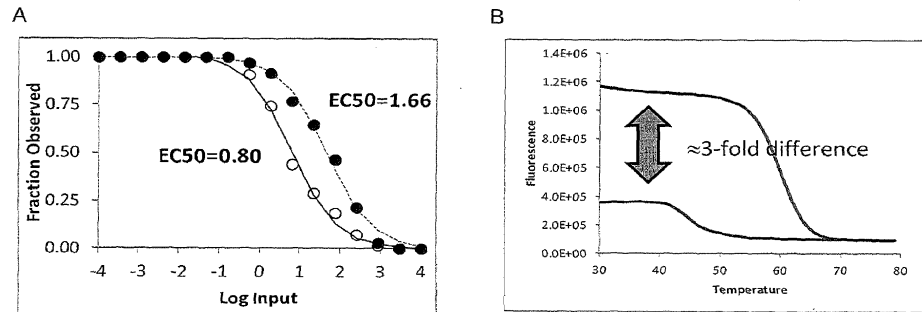


Figure 1. Inaccurate SNAQ Measurements. Serial dilutions of IS amplicon were mixed with a fixed quantity of NT, amplified by PCR and measured by melting curve analysis. Plot A depicts the Fraction NT (y-axis) measurements (closed circles) relative to the input IS:NT ratio (x-axis). The EC50 of this curve was not at 0.0 as expected, but 1.66 (45-fold IS:NT). The data in Plot B suggests a source of the error, a 3-fold fluorescent yield difference between IS and NT melting curves (i.e., given equal molecules of template, IS generates lower fluorescent signal than NT). Could the EC50 be corrected by scaling the IS signal 3-fold? The scaled melting curve data was closer to the correct answer, but was not sufficient to completely correct the observed EC50 shift (open circles).

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Priority Data **61/651,824 25.05.2012 US**  
Title **(EN) NUCLEIC ACID AMPLIFICATION AND USE THEREOF (FR) AMPLIFICATION D'ACIDE NUCLÉIQUE ET SON UTILISATION**  
Abstract **(EN) The invention features compositions and methods that are useful for the measurement of the quantity of a nucleic acid target in a sample. (FR) L'invention concerne des compositions et des procédés qui sont utiles pour la mesure de la quantité d'une cible acide nucléique dans un échantillon.**

Designated States

**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.**African Regional Intellectual Property Org. (ARIPO) (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW)Eurasian Patent Organization (EAPO) (AM, AZ, BY, KG, KZ, RU, TJ, TM)European Patent Office (EPO) (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)African Intellectual Property Organization (OAPI) (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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