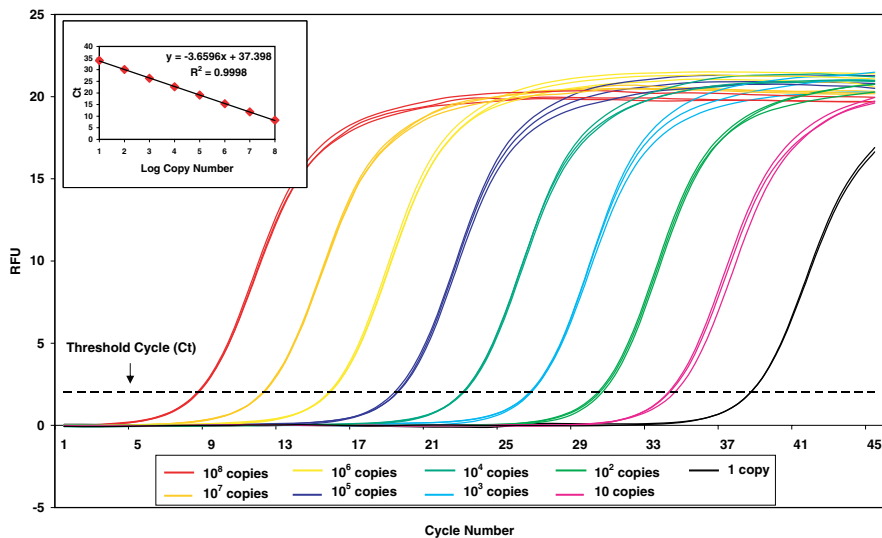


Fig. 2. Real-time PCR Amplification using HotStart-IT™ SYBR® Green qPCR Master Mix with UDG (PN 75760).



GAPDH Assay using HotStart-IT™ SYBR® Green qPCR Master Mix with dUTP and UDG (PN 75760). Triplicate reactions were performed with a cloned region of the human GAPDH gene as template using an ABI 7500 Fast instrument. The non-specific dsDNA binding dye, SYBR Green I, was used to detect the 122 bp amplicon and ROX was used as a passive reference dye. The amplification process was linear over eight orders of magnitude (see inset) and a single copy of the target could be efficiently detected. The No Template Control (NTC) reaction generated no measurable fluorescence. Melt-curve analysis (below) demonstrates that no significant primer-dimers were produced because of the HotStart-IT binding protein (see NTC).

Melt-Curve Analysis

