

Fig. S1. Fluorescent curve in the real-time MDA (1× EVAgreen) with different initial DNA concentration.



Fig. S2. Time thresholds in the real-time MDA (1× EVAgreen) with different initial DNA concentration. Threshold was set as: (a) 10% of total fluorescent increasing, (b) 50% of total fluorescent increasing, (c) 70% of total fluorescent increasing and (d) 90% of total fluorescent increasing.



Fig. S3. Time thresholds in the real-time MDA (1× EVAgreen) with different initial DNA concentration. Threshold was set as: (a) original intense plus 10 times of standard deviation of the first 10 cycles, (b) original intense plus 10 times of standard deviation of the first 5 cycles.



Fig. S4. Fluorescent curve in the real-time MDA (0.5× EVAgreen) with different initial DNA concentration.



Fig. S5. Time thresholds in the real-time MDA (0.5× EVAgreen) with different initial DNA concentration. Threshold was set as: (a) 30% of total fluorescent increasing, (b) original intense plus 10 times of standard deviation of the first 5 cycles.

	U937	A375	ZR-75
DNA concentration (pg/µl)	120	117	118

Table S1. Initial template concentration of the samples (before sequentially dilution)quantified via Qubit 2.0.

Table S2. Threshold time (minute) of samples with various dilution factor.

Cell line	Dilution factor				
	1	5	25	125	625
U937	126	315	378	585	783
A375	54	306	432	522	477
ZR-75	117	441	423	648	819

Table S3. Predicted dilution factor of with various dilution factor.

Cell line		Dilution factor				
	1	5	25	125	625	
U937	1.82	11.00	20.03	143.34	941.85	
A375	0.92	10.10	33.46	78.75	51.33	
ZR-75	1.67	36.45	30.72	260.93	1326.28	