

A localized temporary negative pressure assisted microfluidic device to detect keratin 19 in A549 lung carcinoma cells by digital PCR

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Table S1. The statistical analysis result of the digital PCR

Xdil	Observed value			Average value	STDEV	-LN(1-Average value/650)	-LN(1-STDEV/650)
0.00001	22	24	10	18.66667	7.571878	0.029	0.0117
0.00002	40	34	48	40.66667	7.023769	0.065	0.0109
0.00006	113	127	118	119.3333	7.094599	0.203	0.011
0.00008	160	164	167	163.6667	3.511885	0.29	0.0514
0.0001	197	195	201	197.6667	3.05505	0.363	0.0047

Table S2. The statistical analysis result of the real-time PCR

Xdil	Ct value			Average Ct value	STDEV
0.00001	37.15758	35.65574	34.65418	35.8225	1.260004
0.00002	32.8784	33.48068	32.34493	32.90134	0.568222
0.00006	31.3811	31.7952	31.15617	31.44416	0.32415
0.00008	30.87338	31.00569	30.8518	30.91029	0.083322
0.0001	21.868942	21.92451	21.69168	21.82838	0.121601