

Supporting Information

Gold Nanoparticle-Based Quantitative Electrochemical Detection of Amplified Human Cytomegalovirus DNA Using Disposable Microband Electrodes

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Figure S1

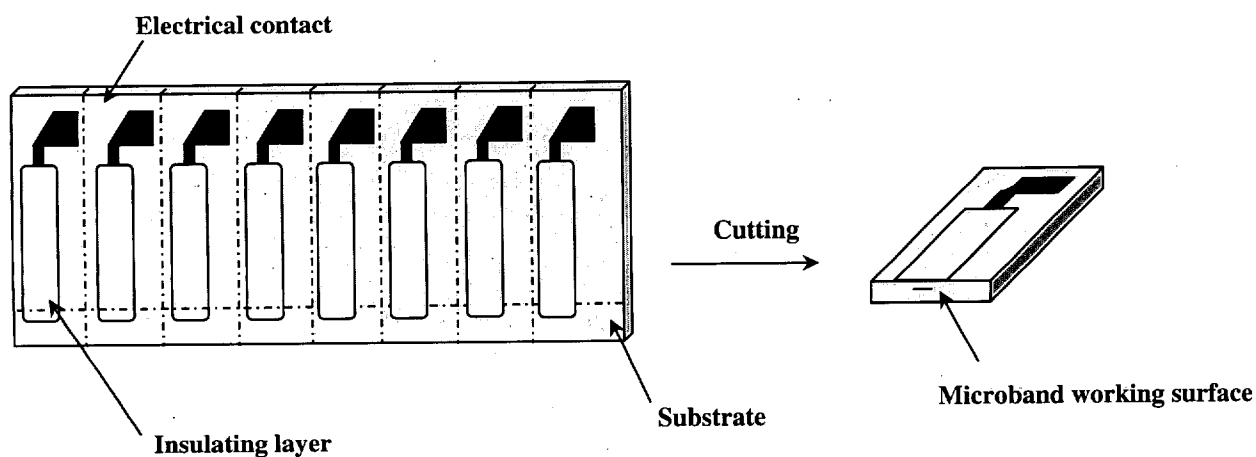


Table S1. CV Peak Current Responses Obtained at Height SPMBEs (Selected from a Same Array) in a 2 mM of FcTMA⁺ in PB (scan rate 0.01 V s⁻¹)

		Electrode number								Average (nA)	SD ^a (nA)	RSD ^b (%)
		1	2	3	4	5	6	7	8			
Run number	1	134.5	120.2	121.1	111.5	111.3	116.5	120.8	118.4	119.3	7.3	6.1
	2	130.3	124.4	118.5	116.9	116.7	113.8	118.6	120.8	120.0	5.2	4.3
	3	126.7	124.3	117.9	114.2	112.6	113.8	118.6	119.0	118.4	5.0	4.2
	4	133.7	120.6	119.0	112.4	115.0	108.8	118.6	121.4	118.7	7.4	6.3
	5	126.2	127.2	119.7	117.8	111.3	113.0	119.0	120.6	119.4	5.6	4.7
	6	127.4	124.5	124.7	116.4	111.3	111.7	112.2	120.8	118.6	6.6	5.5
	7	128.2	120.3	120.0	117.9	113.7	113.9	114.3	123.3	119.0	5.1	4.3
	8	125.4	124.2	120.4	116.1	112.7	114.5	118.5	127.5	119.9	5.4	4.5
Average (nA)		129.1	123.2	120.2	115.4	113.1	113.3	117.6	121.5			
SD (nA)		3.2	2.4	2.0	2.3	1.8	2.1	2.6	2.7			
RSD (%)		2.5	1.9	1.6	2.0	1.6	1.9	2.3	2.2			

^a Standard deviation. ^b Relative standard deviation.