DNA Modified Hydrogel for Simultaneous Purification, Concentration and Detection of Targeted cfDNA in Human Serum

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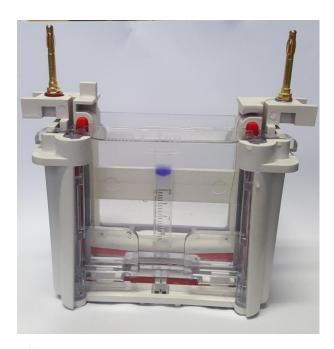
Table S1. DNA sequences used in this work

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Oligonucleotide	Sequence (5-3)
20bp-acrydite	Acrydite-gaggagccgaaaaggttcca
20bp+0bp	tggaaccttttcggctcctc
20bp+10bp	tggaaccttttcggctcctc tgccgatcca
20bp+20bp	tggaaccttttcggctcctctgccgatccatactgcggaa
20bp+30bp	tggaaccttttcggctcctctgccgatccatactgcggaatgccgatcca
20bp+40bp	tggaaccttttcggctcctc tgccgatccatactgcggaatgccgatccatactg
	cgga
20bp+50bp	tggaaccttttcggctcctc tgccgatccatactgcggaatgccgatccatactg
	cggagttcgaactg

Table S2. The primers used to amplify different lengths of dsDNAD in this work

The	Sequence (5-3)
20bp	tggaaccttttcggctcctc
100bp	aagcataaagtgtaaagcct
150bp	taattgcgttgcgctcactg

200bp	cagctgcattaatgaatcgg
250bp	tgggcgctcttccgcttcct
300bp	ggctgcggcgagcggtatca



 $\textbf{Figure S1}. \ \ \textbf{The electrophoresis apparatus of} \quad \ \textbf{the DNA-Gel}$

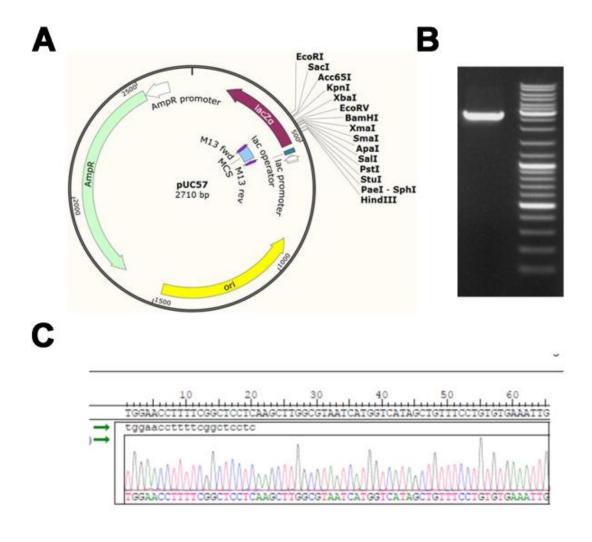


Figure S2. (A)the EcoRI/HindIII of pUC57; (B)the the EcoRI/HindIII of pUC57; (C) the sequencing analysis of pUC57

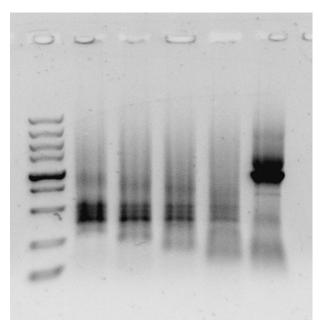


Figure S3. Different lengths of dsDNAD amplified by PCR; the lanes were maker, 100bp, 150bp, 200bp, 250bp and 300bp, respectively. The DNA maker band from the bottom up were 100, 250, 500, 750, 1000, 1500, 2000, 3000 and 5000 bp, respectively.