

CRISPR-Cas12a with split crRNA for the direct and sensitive detection of microRNA

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Table S1 DNA sequences in this work

DNA	Sequence (5'-3')
reporter	FAM-TTATTATT-BHQ1
Activator-DNA	TCAACATCAGTCTGATAAGCTA

Table S2 RNA sequences in this work

RNA	Sequence (5'-3')
miR-21	UAGCUUAUCAGACUGAUGUUGA
miRNA-1	UAGCUUCUCAGACUGAUGUUGA
miRNA-2	UAGCUUCUCAGACAGAUGUUGA
miRNA-3	UAGCUUCUCACACAGAUGUUGA
miRNA-4	UAGCUUAUCUCCUGAUGUUGA
miR-20a	UAAAGUGCUUAUAGUGCAGGUAG
miR-106a	AAAAGUGCUUACAGUGCAGGUAG
crRNA-handle	UAAUUUCUACUAAGUGUAGAU

Table S3. The recoveries determined using the developed method via spiking synthetic miRNA-21 into 10% diluted normal serum samples.

Sample	Added (pM)	Founded (pM)	Recovery	RSD
1	250	293.91	117.6%	6.2%
2	500	571.6	114.3%	5.3%
3	750	722.45	96.33%	3%
4	1000	1138.16	113.8%	1.8%