

Supplementary materials

SERS Detection of MicroRNA Biomarkers for Cancer Diagnosis Using Gold-Coated Paramagnetic Nanoparticles to Capture SERS-active Gold Nanoparticles

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Table S1. Sequences of oligonucleotides used in this work

Name	Sequence
miR-141 (target sequence)	5'UAA CAC UGU CUG GUA AAG AUG G3'
Reporter probe (5'-amino modified reporter probe)	NH ₂ -5'TTTTTTTTTT C CAT CTT TAC3'
Capture probe (3'-thiol modified capture probe)	5'AGA CAG TGT TA TTTTTTTTTT3'-SH
miR-429 (nonspecific target sequence)	5'UAA UAC UGU CUG GUA AAA CCG U3'

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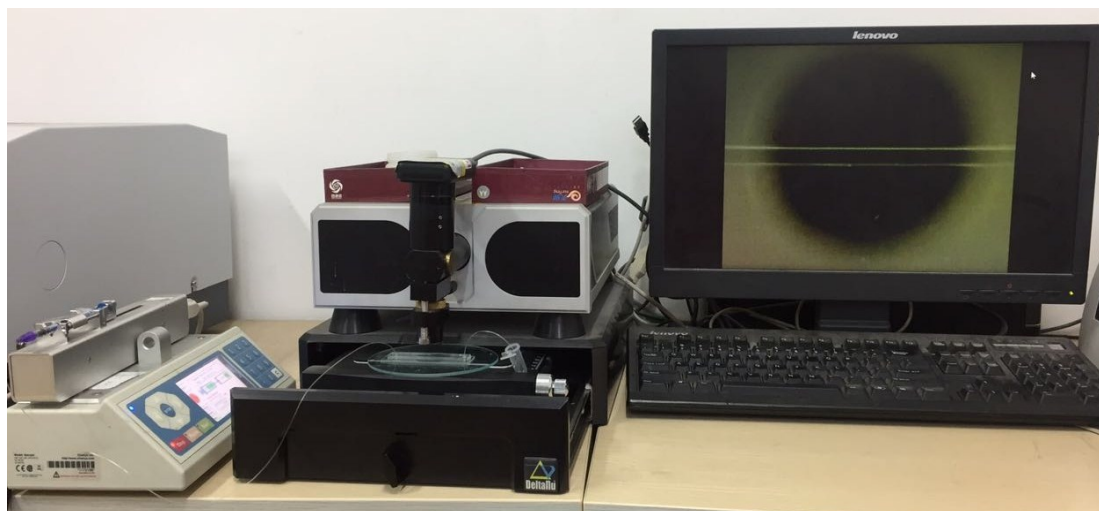


Fig. S1 Raman spectrometer equipped with a camera for focusing laser on sample pellets and Bright-field imaging of nanoparticle pellets concentrated in the microfluidic channel by a small external magnet.