

Supporting Information

Simultaneous detection of duplex DNA oligonucleotides using a SERS-based micro-network gradient chip

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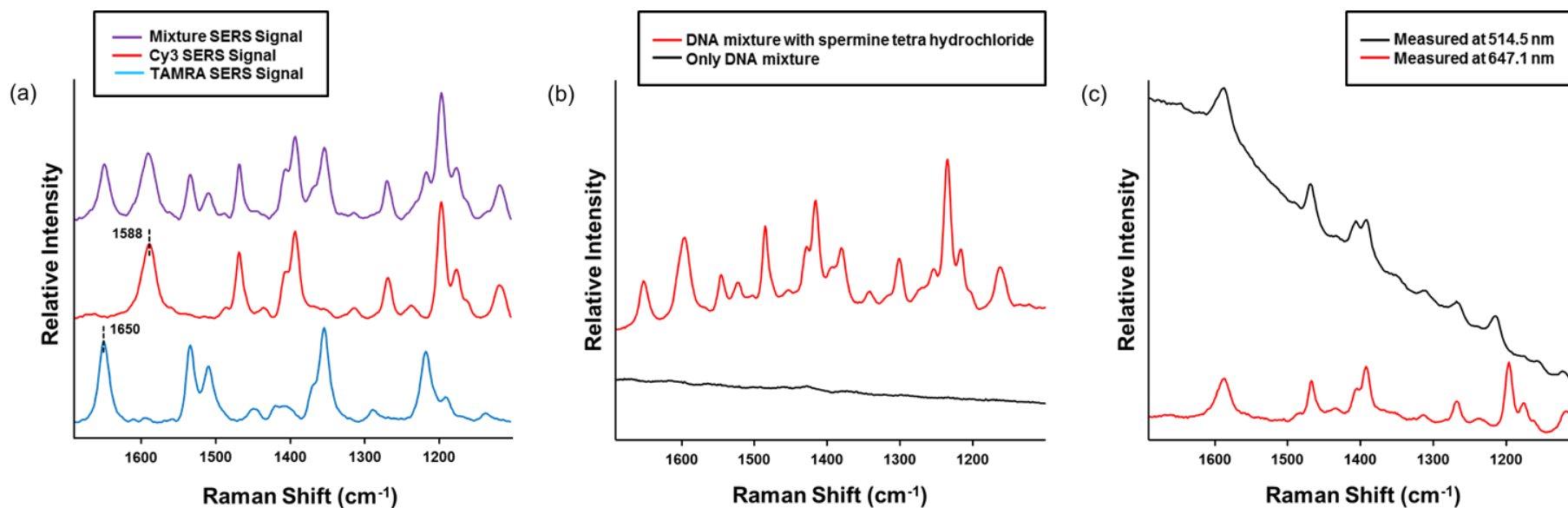


Figure S1. (a) Confocal SERS spectra of 2×10^{-6} M Cy3-labeled *BRAC1*-mutation (bottom), 10^{-6} M TAMRA-labeled *BRAC1*-wild (middle), and their 1:1 mixture (top) adsorbed on silver nanoparticles in a PDMS channel. (a) Confocal SERS spectra of DNA mixture (bottom) and DNA mixture with spermine tetra hydrochloride (top). (c) Wavelength dependence on the SERS spectra of 10^{-6} M TAMRA-labeled *BRAC1*-wild measured at 647.1 nm (bottom) and at 514.5 nm (top).

Figure S1