Supporting information for:

Microdroplet fabrication of silver-agarose nanocomposite beads for SERS optical accumulation

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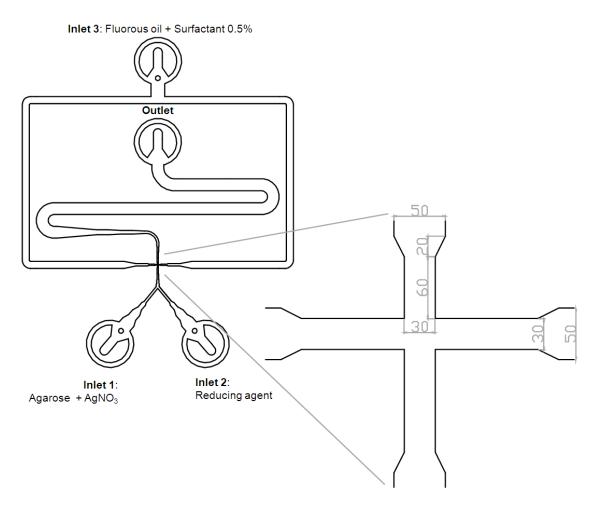


Figure S1. Scheme of three inlet microdroplet device.

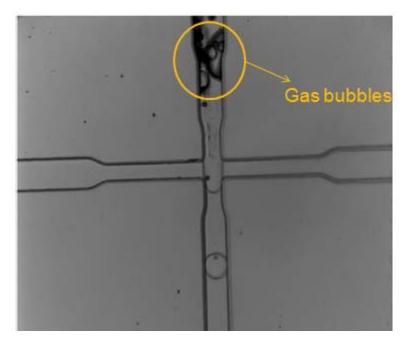


Figure S2. T-junction showing the formation of bubbles when using sodium borohydride or ascorbic acid as reducing agents in an on-chip fabrication of Ag-agarose beads.

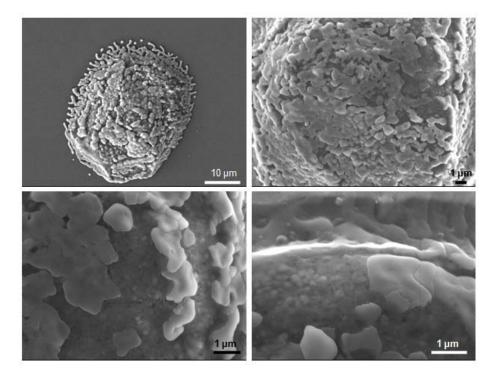


Figure S3. Ag-agarose beads fabricated on-chip by using hydrazine as reducing agent.

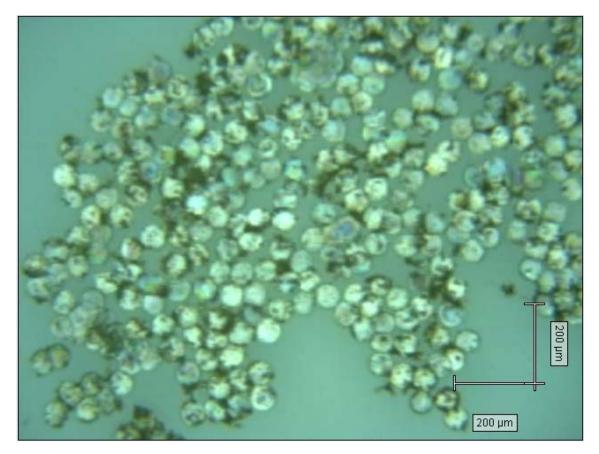


Figure S4. Optical micrograph showing the uniform size of the Ag-agarose beads reduced off-chip with hydrazine.

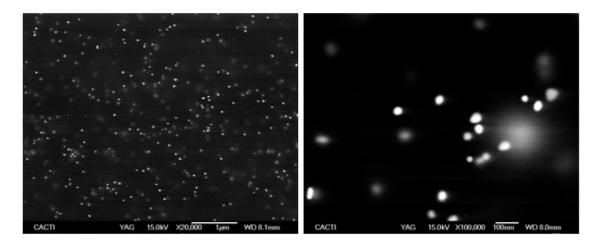


Figure S5. Cross-sectional SEM images of the interior of the Ag-agarose beads reduced off-chip with hydrazine.

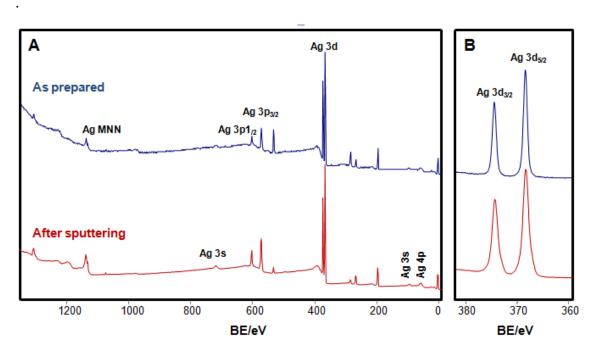


Figure S6. XPS spectra the Ag-agarose beads reduced off-chip with hydrazine before and after applying Ar ion plasma.