

# A New Detection Method of Oral and Oropharyngeal Squamous Cell Carcinoma Based on Multivariate Analysis of Surface Enhanced Raman Spectra of Salivary Exosomes

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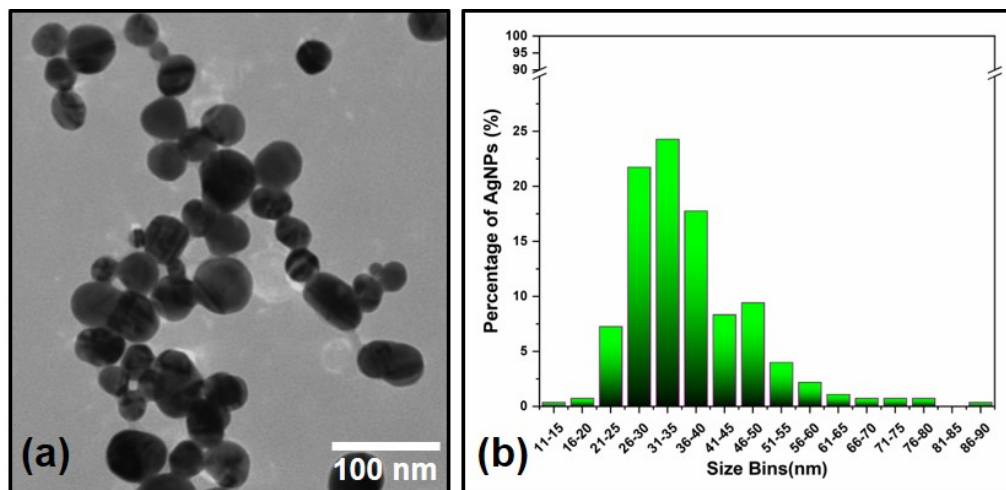
† These authors contributed equally to this work.

**Supplemental table.** STARD diagram checklist

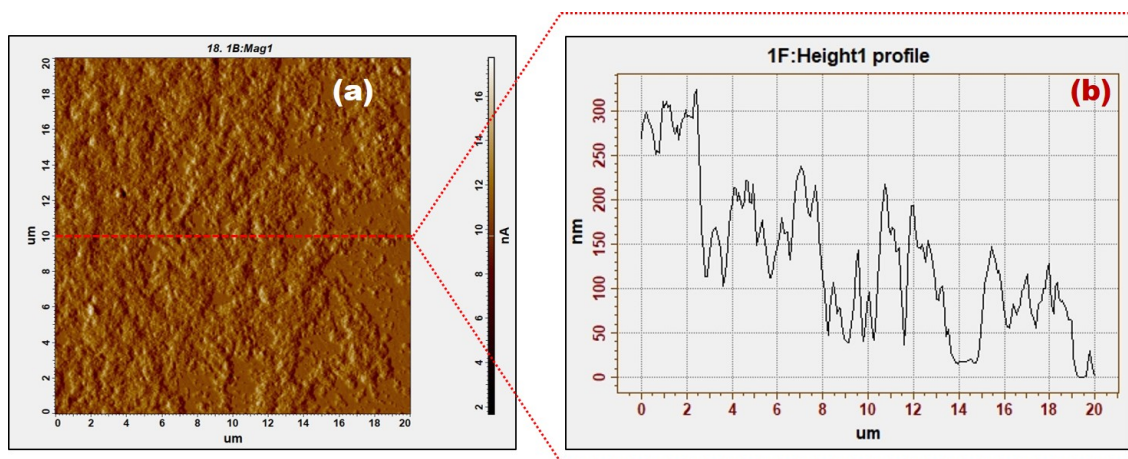
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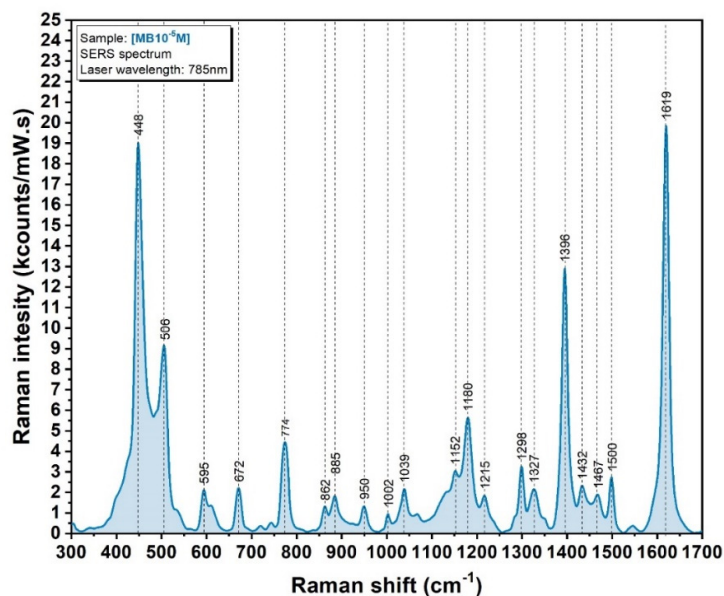
**Supplemental Figures.**



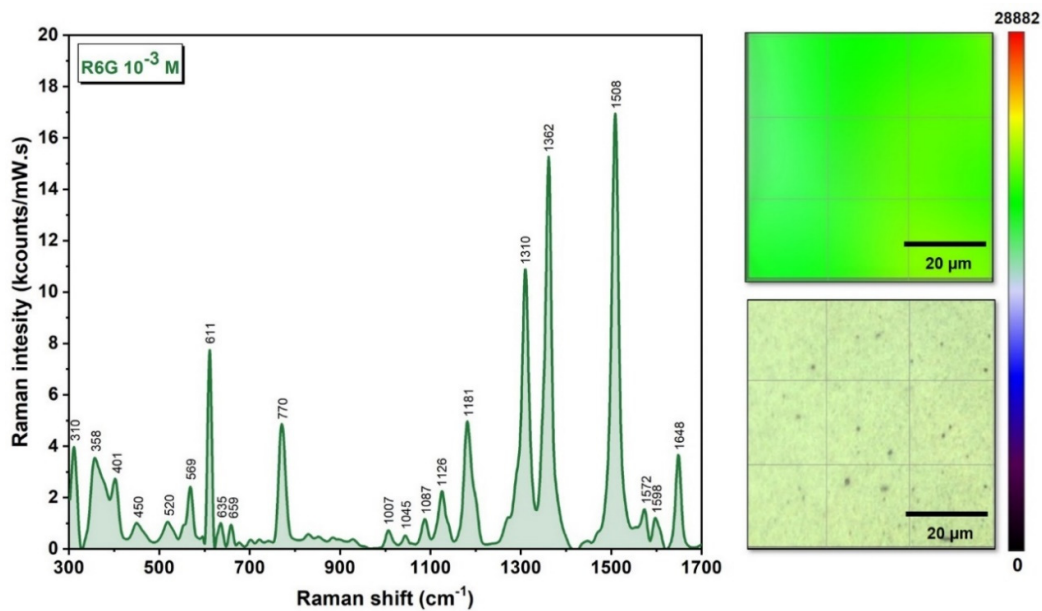
**Figure S1.** TEM image (a) and size distribution plot (b) of filtered and concentrated silver nanoparticles.



**Figure S2.** AFM image (a) and height profile of filtered and concentrated silver nanoparticles (b).



**Figure S3.** SERS spectrum of methylene blue recorded using 785 nm excitation laser.



**Figure S4.** SERS spectrum of rhodamine 6G (R6G) recorded using an excitation laser of 785 nm. The heat map is presented on the upper inset and shows a very small variation of the 1508 cm<sup>-1</sup> which is the most intense vibrational peak of R6G. An optical image of the substrate where the spectra were recorded is presented on the lower inset.