Toward the Nanoscale Chemical and Physical Probing of Milk-Derived Extracellular Vesicles using Raman and Tip-Enhanced Raman Spectroscopy

Luca Buccini, a,+ Anacleto Proietti, a,+ Giancarlo La Penna, a Chiara Mancini, a Francesco Mura, a,b Stefano Tacconi, c Luciana Dini, c Marco Rossi, a,b and Daniele Passeri, a,b*

(a) Department of Basic and Applied Sciences for Engineering, Sapienza University of Rome, Via A. Scarpa 14, 00161 Rome, Italy
(b) Research Center for Nanotechnology applied to Engineering of Sapienza University of Rome (CNIS), Piazzale A. Moro 5, 00185 Rome, Italy
(c) Department of Biology and Biotechnology “C. Darwin”, Sapienza University of Rome, 00185 Rome, Italy
+ these two authors equally contributed to the present work
* corresponding author: daniele.passeri@uniroma1.it

Figure S1. Spectral comparison of two spectra taken at the same point at time T0 and after about one hour (time T1), with different accumulations (2 and 4 respectively) in the spectral range of interest (600-3200 cm$^{-1}$).
Figure S2. Zoom of the spectra in the spectral range 2800-3100 cm\(^{-1}\).