

*Technical Note*

# Extracellular Vesicles Analysis in the COVID-19 Era: Insights on Serum Inactivation Protocols Towards Downstream Isolation and Analysis

**Roberto Frigerio** <sup>1,†</sup>, **Angelo Musico** <sup>1,†</sup>, **Marco Brucale** <sup>2,3</sup>, **Andrea Ridolfi** <sup>2,3</sup>, **Silvia Galbiati** <sup>4</sup>, **Riccardo Vago** <sup>4</sup>,  
**Greta Bergamaschi** <sup>1</sup>, **Anna Maria Ferretti** <sup>1</sup>, **Marcella Chiari** <sup>1</sup>, **Francesco Valle** <sup>2,3</sup>, **Alessandro Gori** <sup>1,\*‡</sup> and  
**Marina Cretich** <sup>1,\*‡</sup>

<sup>1</sup> Istituto di Scienze e Tecnologie Chimiche “Giulio Natta” (SCITEC), Consiglio Nazionale delle Ricerche,

Via Alfonso Corti 12, 20133 Milano, Italy; roberto.frigerio94@gmail.com (R.F.); angelo.musico94@gmail.com (A.M.); greta.bergamaschi@cnr.it (G.B.); anna.ferretti@cnr.it (A.F.); marcella.chiari@cnr.it (M.C.)

<sup>2</sup> Istituto per lo Studio dei Materiali Nanostrutturati (ISMN), Consiglio Nazionale delle Ricerche, Via P. Gobetti 101, 40129 Bologna, Italy; marco.brucale@cnr.it (M.B.); andrea.ridolfi@ismn.cnr.it (A.R.); francesco.valle@cnr.it (F.V.)

<sup>3</sup> Consorzio Interuniversitario per lo Sviluppo dei Sistemi a Grande Interfase (CSGI), Via della Lastruccia 3, 50019 Sesto Fiorentino, Firenze, Italy

<sup>4</sup> IRCCS San Raffaele Scientific Institute, Via Olgettina 60, 20132 Milano, Italy; galbiati.silvia@hsr.it (S.G.); vago.riccardo@hsr.it (R.V.)

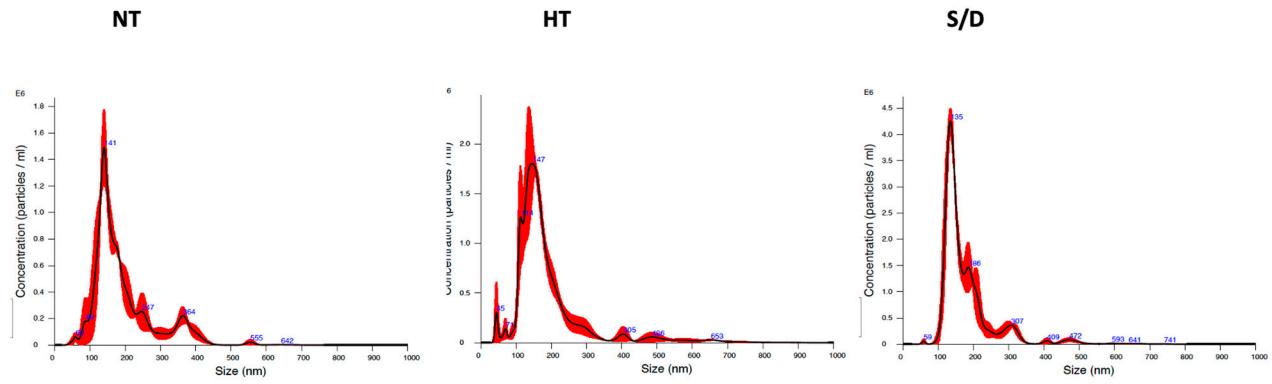
\* Correspondence: alessandro.gori@cnr.it (A.G.); marina.cretich@cnr.it (M.C.)

† these authors equally contributed.

‡ these authors equally contributed.

**Table S1:** number of serum samples for each group (NT, S/D, HT) analyzed by each technique

Technique	Number of analyzed samples per group
Nanoparticle Tracking Analysis	16
Western Blotting	12
Atomic Force Microscopy	1
Microarrays	8
ddPCR Analysis	8



**Figure S1:** representative NTA analysis graph for the non treated (NT), Heat Treated (HT) and solvent/detergent (S/D) treated sample