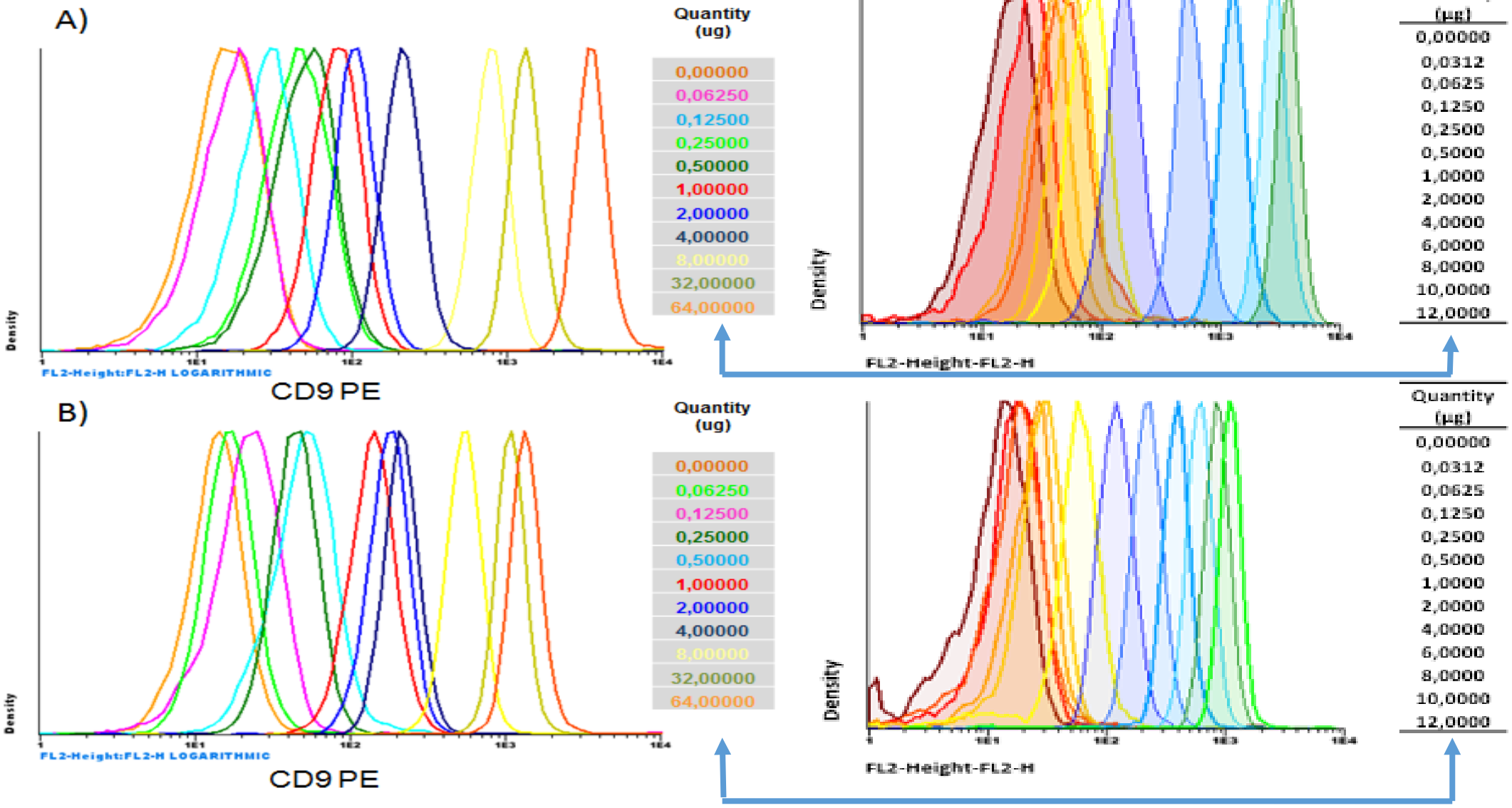
LYOPHILIZED STANDARDS. FIRST GENERATION

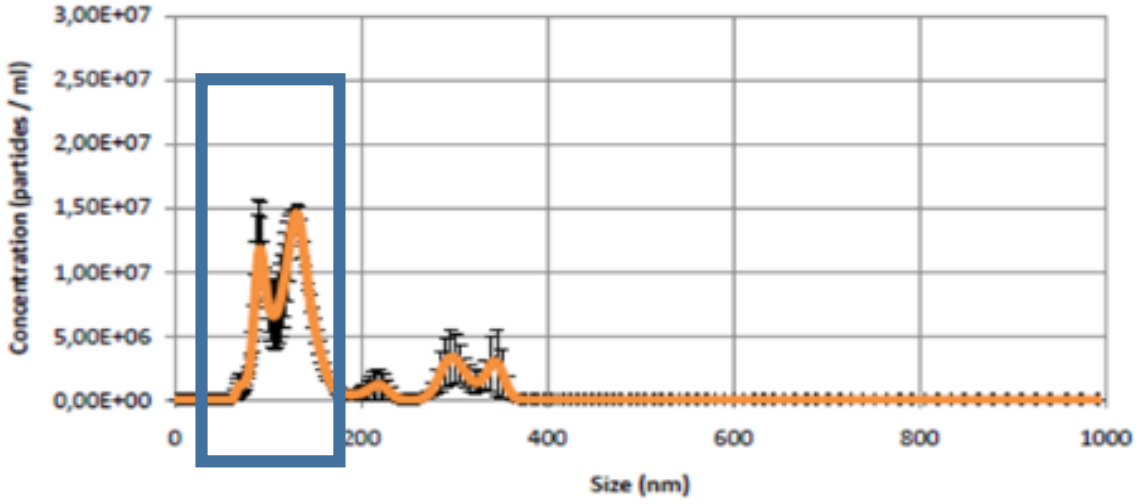
LYOPHILIZED STANDARDS. SECOND GENERATION



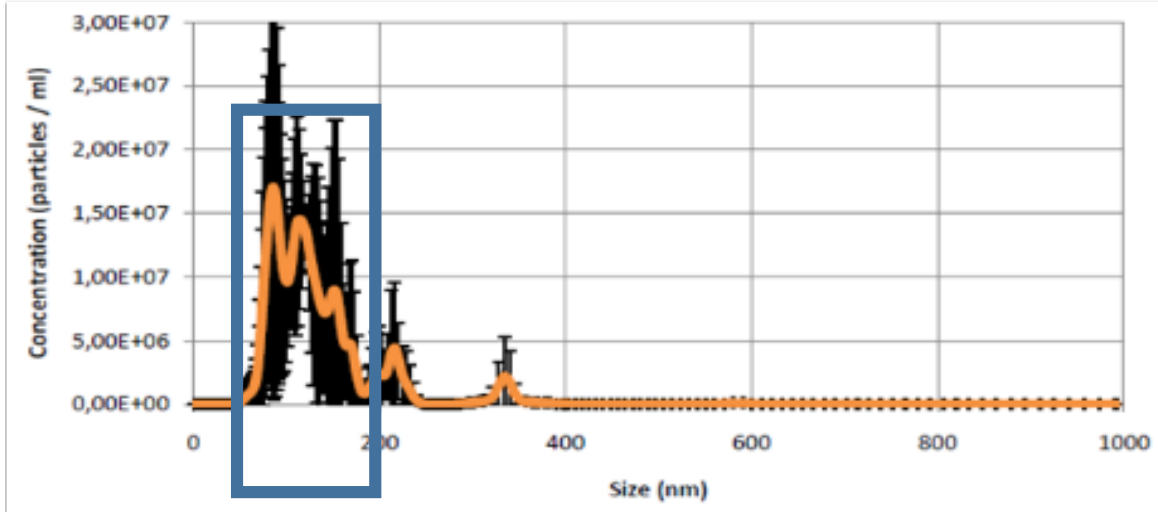
Dynamic range of fresh (A) and lyophilized (B) PC3 exosomes analyzed by flow cytometry. Relationship between background noise and specific signal at different exosome concentrations. Exosomes were captured by CD63+ (Clone TEA3/18) capture beads and subsequently detected by Anti-CD9 PE (Clone VJ1/20).

LYOPHILIZED STANDARDS. FIRST GENERATION

A)

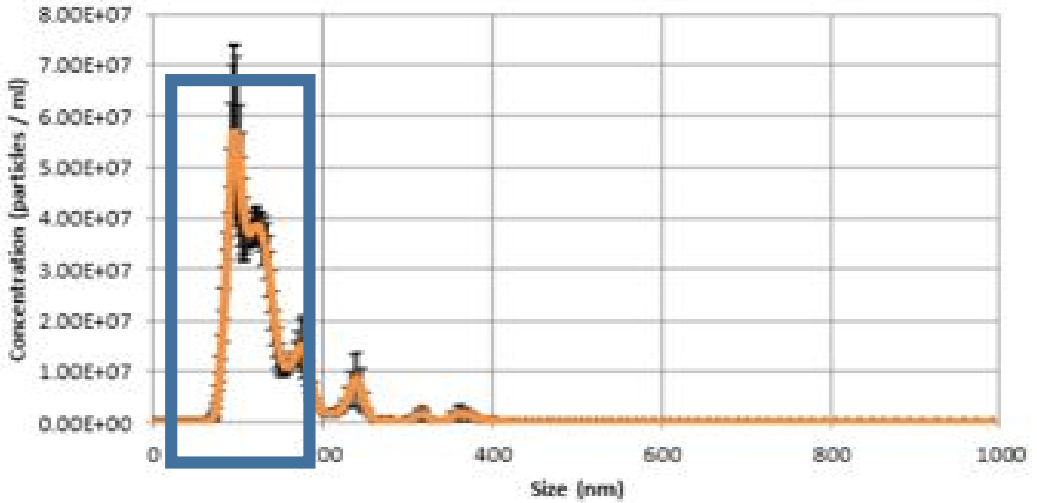


B)

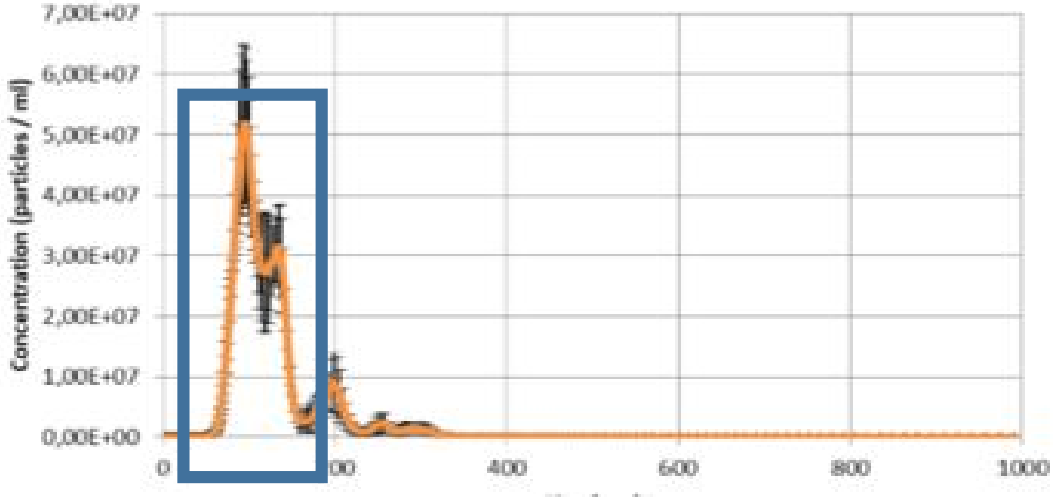


LYOPHILIZED STANDARDS. SECOND GENERATION

A)



B)



Exosome analysis and comparative of fresh (A) and lyophilized (B) plasma exosomes for particle size and concentration by NTA, NanoSight LM10HSB. Analysis was carried out with 1 µl of purified exosomes diluted in 999 µl of HEPES buffer (diution 1:1000). The purified exosomes showed a size distribution profiles, with peak diameters from 50 – 150 nm and concentrations about $1x10^{10}$ exosomes/ml.