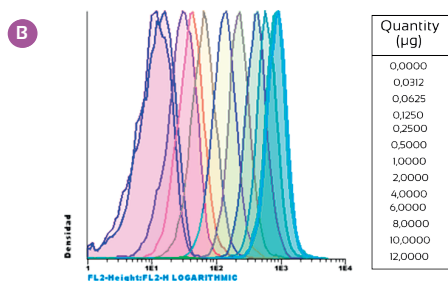
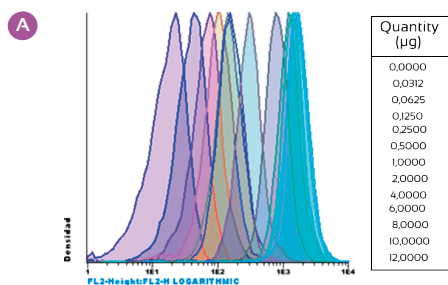
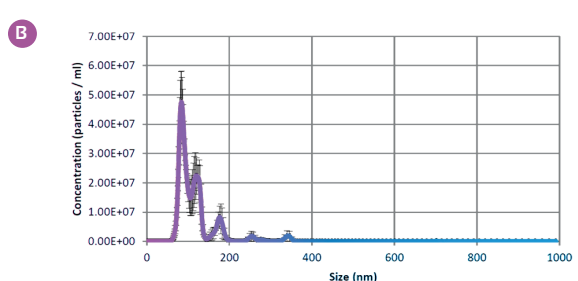
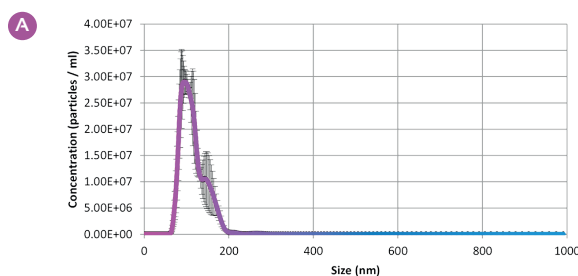


Lyophilized Exosome Standards

The highest pure Lyophilized Exosome Standards from human biofluids (plasma, serum) and different cell culture media. Immunostep lyophilized standards have been validated by WB and FCM, for overall protein content and particle number by Nanoparticles Tracking Analysis (NTA).



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 VJI/20).



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 (dilution 1:1000). The purified exosomes showed a size distribution profiles, with peak diameters from 50 – 150 nm and concentrations about 1x10¹⁰ exosomes/ml.

- 1 Highly pure exosomes, providing better performance than competitors
- 2 Guaranteed stability thanks to an exclusive lyophilization procedure
- 3 Exhaustive validation batch to batch, by WB, NTA, cytometry and functional analysis in vitro
- 4 Tested in application for Medicine Regenerative, Skin, dermatological and pharma companies
- 5 miRNA content of our exosome cell lines provided

Product Description	Reference	Unit Size
Exosomes from PC-3, a human metastatic prostate cancer cell line	ExoPC3	100 µg
Exosome from HT-29, a human colon cancer cell line	ExoHT29	100 µg
Exosome from MCF-7, a human breast cancer cell line	ExoMCF7	100 µg
Exosome from Serum, human Serum	ExoSERUM	100 µg
Exosomes from A-375, a human malignant melanoma cell line	ExoA375	100 µg
Adipose-derived Mesenchymal stem/stromal cells (MSCs) derived exosomes	ExoMSC	100 µg
Exosomes from RPMI, a human myeloma cell line	ExoRPMI	100 µg
Exosomes from CaCo2, a human colon cancer cell line	ExoCaCo2	100 µg
Exosomes from A-549, a human lung cancer cell line	ExoA549	100 µg
Exosomes from PANC-1, a human pancreas cancer cell line	ExoPANC1	100 µg

Custom-Made Standards

Immunostep provides custom-made standards for research, academic or industrial. Get further details at: <https://www.immunostep.com>