
Instant Exosomes™

Instant Exosomes™ - Specifications

Instant Exosomes™ are available from widely used human cancer cell lines. Currently, isolated exosomes are available from:

- COLO205 a human colon carcinoma – Cat code EX301
- LnCAP a human prostate carcinoma – Cat code EX302
- A375 a human malignant melanoma – Cat code EX303

Exosomes isolated from each cell line are available in two pack sizes:

- 50 µg (2 x 25 µg vials)
- 250 µg (10 x 25 µg vials)

Shipping temperature: 4 °C

Storage temperature: -20 °C

Price: A supplementary price file will be sent with pricing details

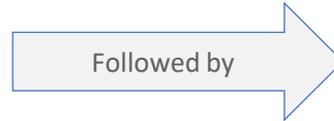
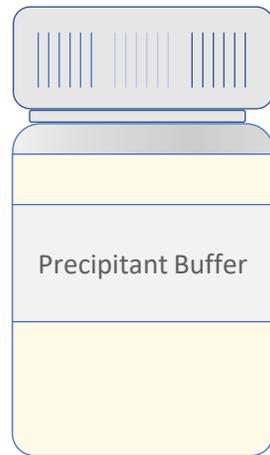
<https://www.cellgs.com/products/instant-exosomesand8482.html>



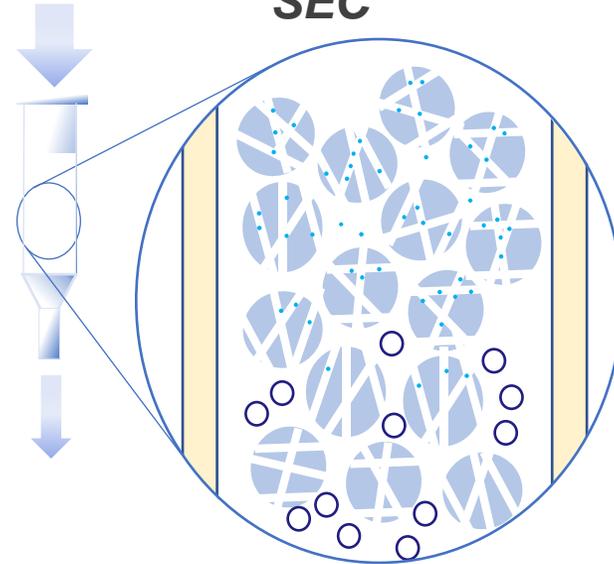
Instant Exosomes™ - Isolation

Instant Exosomes™ are isolated with Exo-spin™ kits using a combination of precipitation and size exclusion chromatography (SEC).

Precipitation



SEC



Principles of precipitation

Exosomes are concentrated using a proprietary precipitant buffer

The precipitation method allows for the separation of solid substances from a given sample

Principles of size exclusion chromatography

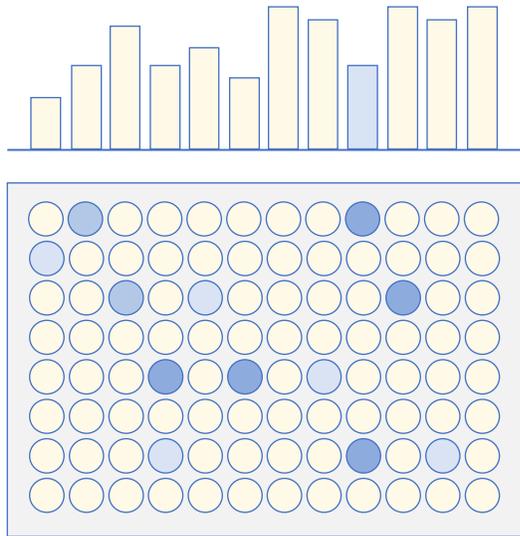
Exosomes run outside the beads,  so elute first

Small particles and free proteins are trapped in the beads 

Instant Exosomes™ - Characterization

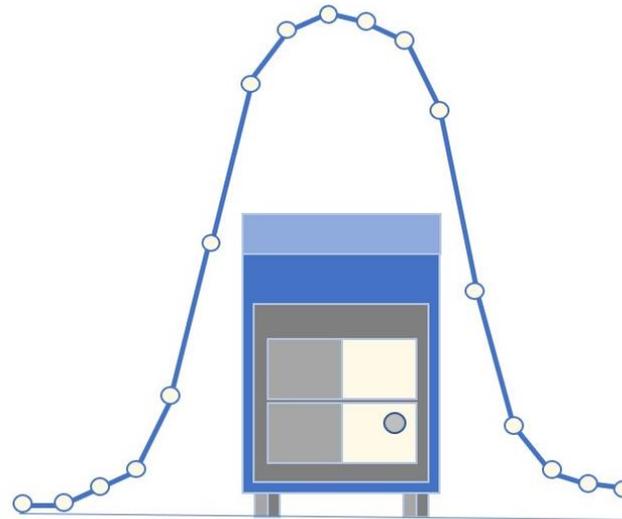
Instant Exosomes™ are characterized using the following methods:

ExoLISA™ Assay



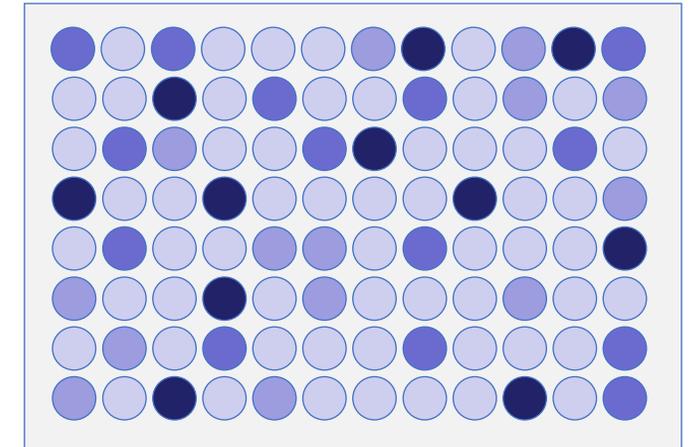
Determines the expression of tetraspannin markers (CD9, CD63 and CD81). This also ensures that other surface proteins that are present should be detectable.

Nanoparticle Tracking Analysis (NTA)



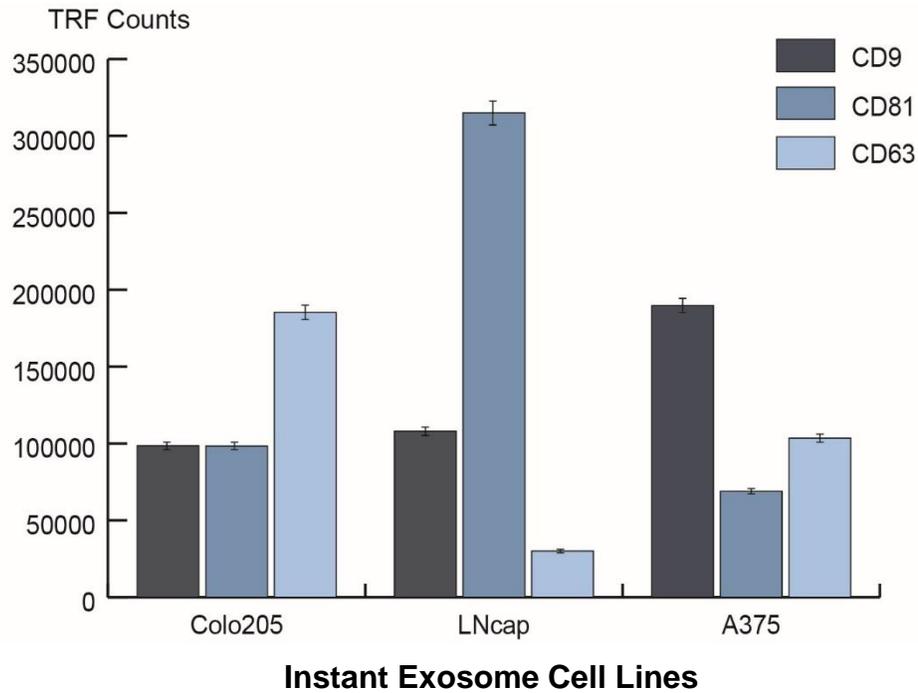
Determines the particle concentration and size distribution

Bicinchoninic Acid (BCA) Assay

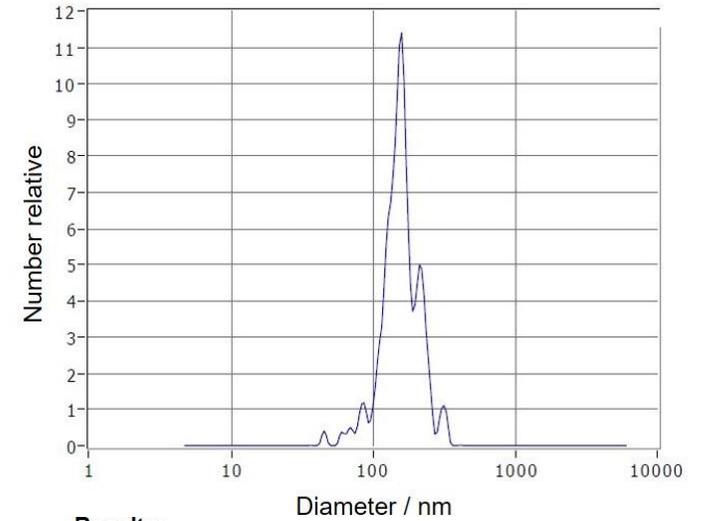


Determines the overall protein content

Instant Exosomes™ - Example Data



Commonly expressed exosomal markers assessed using the ExoLISA™ exosome detection assay are shown to be differentially expressed across Instant Exosomes™



Results:

Concentration: 9.3E+9 Particles / mL

	Number	Concentration	Volume
Median (X50)	153.7	153.7	200.1
Span	48.9	48.7	59.2

Characterization of Instant Exosomes™ with NTA, performed using the ZetaView® instrument. This determines the particle concentration and size distribution.

Instant Exosomes™ - Customer Feedback

“I also compared Instant Exosomes™ with the lyophilized EVs that we had bought from (*a competitor*). I was very happy with LNCaP EV type and it seems to be the best lyophilized EV type that I had ever tested.”