



## **HQExo**<sup>TM</sup> Microvesicles-MM1

Catalog: LEV-03

## PRODUCT INFORMATION

Name	HQExo™ Microvesicles-MM1
Cat No.	LEV-03
Source	Microvesicles derived from human melanoma (MM1 cell line)
Product Overview	Microvesicles are a type of extracellular vesicles (EVs) that are derived by cell membrane blebbing with a dia meter from 100 nm to 1000 nm. While exosomes are smaller with a diameter between 30-160 nm and released by cell exocytosis. Microvesicles involve in intercellular cross-talk and can transport molecules such as mRN A, miRNA, lipids and proteins between cells, which make microvesicle play an important role in disease diagn osis. Due to its molecular transfer function, circulating microvesicles may be useful for the delivery of drugs to specific target cells. HQExo <sup>TM</sup> microvesicles isolated from cancer cell lines could use as positive controls for E LISA, FACS, WB. It has been reported that microvesicle express CD40, selectins, integrins, and cytoskeletal p roteins, and their membranes are highly enriched in cholesterol, phosphatidylserine, and diacylglycerol. Microvesicles/exosomes has attracted more and more attention to anti-cancer research and regeneration. Microvesicle can be purified by ultracentrifugation and precipitation, then characterized by nanoparticles tracking analysis (NTA) and ELISA or WB. Lyophilization is useful for a long-term storage at 4°C, and frozen liquid should be kept at -20°C to -80°C. Creative Biostructure standard microvesicles products guarantee higher purity and quality to meet our customer's downstream analyses.
Form	Lyophilized powder. Reconstitute lyophilized exosome by adding deionized water for a desired final concentra tion. Centrifuge before opening to ensure exosomes are at bottom, resuspend exosomes by pipetting and/or vor tex, please avoid bubbles. Centrifuge again and mix well for using.
Concentration	>1x10^9 particles
Storage	Lyophilized powder store at 4 °C. Resuspension store at -80°C. Recommended to avoid repeated freeze-and-th raw cycles.