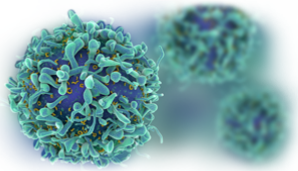

HQExo™ Microvesicles-665-U87MG

Catalog: LEV-F665-U87MG

PRODUCT INFORMATION

Name	HQExo™ Microvesicles-665-U87MG
Cat No.	LEV-F665-U87MG
Source	Fluorescent labeled microvesicles derived from human glioblastoma astrocytoma cell line (U87 MG cell line)
Product Overview	Microvesicles are a type of extracellular vesicles (EVs) that are derived by cell membrane blebbing with a diameter 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 mRNA, miRNA, lipids and proteins between cells, which make microvesicle play an important role in disease diagnosis. Due to its molecular transfer function, circulating microvesicles may be useful for the delivery of drugs to specific target cells. HQExo™ microvesicles isolated from cancer cell lines could use as positive controls for ELISA, FACS, WB. It has been reported that microvesicle express CD40, selectins, integrins, and cytoskeletal proteins, 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. Microvesicles 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	Frozen liquid
Concentration	>1x10^8 particles
Storage	Store at -20°C or colder. Recommend to avoid repeated freeze-and-thaw cycles.

45-1 Ramsey Road, Shirley, NY 11967, USA Tel:1-631-317-1417 Fax:1-631-207-8356

Email: info@creative-biostructure.com

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