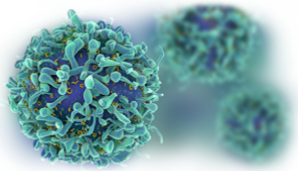

HQExo™ Exosome-SDH-Diabetes plasma

Catalog: Exo-HDBF-10

PRODUCT INFORMATION

Name	HQExo™ Exosome-SDH-Diabetes plasma
Cat No.	Exo-HDBF-10
Source	Exosome derived from Single Donor Human Diabetes plasma
Product Overview	Exosomes are nanosized vesicles (30-160 nm) secreted by exocytosis by most cell types and contain specifical cargos, such as RNAs, lipids, and proteins. The cargos amount and composition of exosomes depend on the cel l type from which they are released, which making them useful for biomarker discovery and functional charact erization. Exosomes can deliver a variety of specific proteins, lipids and nucleic acids contained in them to nea rby or distant target cells, and play the role of intercellular information exchange, thereby participating in the r egulation of multiple physiological and pathological processes in the human body. Studies have shown that ex osomes are related to the transport and release of characteristic molecules related to various diseases. The stud y of exosome from human disease-state body fluids will help us to systematically understand the relationship b etween exosomes and the occurrence and development of diseases. HQExo™ standard exosomes could use as positive controls for exosome isolation and functional research, such as ELISA, FACS, WB. Lyophilization is useful for a long-term storage at 4°C, and frozen liquid should be kept at -20°C to -80°C. Ultracentrifugation a nd precipitation techniques are mainly used in exosome Isolation. It had been reported that both methods yield ed extracellular vesicles in the size range of exosomes and included apoproteins, which can be used in downstr eam analyses. Nanoparticles Tracking Analysis (NTA) is used for measuring exosome particles concentration, and WB or ELISA can be used in exosomal biomarkers analysis. Creative Biostructure standard exosome prod ucts guarantee higher purity and quality to meet our customer research.
Form	Lyophilized powder/ frozen liquid
Concentration	1x10^9 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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