Exosome Protector

Cat. No. : P-CA-506
Size : 1mL

Product Description

Exosome storage stability has long posed a significant challenge in exosome research. Typically, exosomes are stored in PBS at -80°C; however, prolonged storage and repeated freeze-thaw cycles can lead to substantial degradation of their activity, structural integrity, and cargo content. To overcome this issue, a specialized exosome cryopreservation solution has been developed. When mixed directly with exosome samples and stored at temperatures ranging from -5°C to -20°C or -80°C, this solution significantly enhances both short-term and long-term stability. The product is distinguished by its user-friendly application, effective protective properties, well-defined chemical composition, and versatility across various sample types. Furthermore, it effectively prevents exosome adsorption to experimental consumables such as sample tubes and pipette tips, ensuring minimal loss and maximizing recovery.

Product Composition

Component	Specifications	Storage Conditions
Exosome Protector	1mL	-5~-20°C, Shading Light

Storage Conditions

Store under recommended conditions; shelf life is 24 months.

Protocol

1. **Exosomes Preparation:** Select the appropriate exosome isolation kit based on the sample type to isolate pure exosomes.
   Note: It is recommended to exchange the isolated exosomes into PBS.
2. **Exosomes Cryopreservation:** Remove the Exosome Protector from the refrigerator and allow it to thaw, Vortex to mix, then add it to the exosome solution at a 1:20 ratio, mix thoroughly, and store at -80°C.
   Note: It is recommended to limit the number of freeze-thaw cycles to no more than 5 and the storage time to no more than 12 months.