Refer to the Certificate of Analysis for batch-specific test results.

ATCC highly recommends that protective gloves and clothing always be used and a full face mask always be worn when handling frozen vials. It is important to note that some vials leak when submerged in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vessel exploding or blowing off its cap with dangerous force creating flying debris.

1. Check all containers for leakage or breakage.
2. Remove the frozen cells from the dry ice packaging and immediately place the cells at a temperature below -130°C, preferably in liquid nitrogen vapor, until ready for use.

Preparation of Exosomes:
1. Thaw in ice.
2. Mix by pipetting up and down.
3. Create multiple aliquots for use and avoid freeze thaw.

Exosomes are subcellular nanoparticles of size 50-200 nm released from cells through a fusion of multicellular bodies with plasma membrane. The exosomes are purified from cell culture medium of prostate adenocarcinoma cell line PC-3 (ATCC CRL-1435). The exosomes are purified and concentrated using tangential flow filtration system in a sterile environment. The purified exosomes were further filtered through 0.2 micron sterile filters.

References and other information relating to this product are available online at www.atcc.org.

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the Biosafety in Microbiological and Biomedical Laboratories from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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