

ExoScience EVs

lyophilized extracellular vesicles from human MSC

Product	Cat#	Package size
ExoScience EVs lyophilized extracellular vesicles from human umbilical cord mesenchymal stromal cells (MSC)	C4163.0002	>1x10E10 particles

To be dissolved in 2mL deionized water, for a final concentration of >5x10E9 particles/mL.

Product description

Highly pure, lyophilized ExoScience EVs with superior stability, optimal for multiple applications including Assay calibration, Spike-in control for EVs quantification, Protein marker analysis for different techniques such as Western Blot and Flow Cytometry experiments, Extraction and analysis of exosomal RNA and DNA. Quantity of number of particles per vial: >1x10E10.

Optimal for multiple applications including:

- Assay calibration
- Spike-in control for exosome quantification
- Protein marker analysis for different techniques such as Western Blot and Flow Cytometry.
- Extraction and analysis of exosomal RNA and DNA

Preparation Method

Isolation involves tangential flow filtration. Exosomes (small EVs) are quantified and validated for protein content and particle number by nanoparticle tracking analysis (NTA).

Source: umbilical cord

Physical Appearance: lyophilised white powder.

Amount: 1x 10E10 particles/vial

Reconstitution: Add (or inject) 2mL deionized water and resuspend extracellular vesicles by gently shaking the bottle or by pipetting the solution up and down 10 times till the freeze-dried powder is dissolved completely.
ATTENTION: Avoid generation of bubbles.

Final concentration: >5x10E9 particles/mL

Recommended dilutions: According to usage.

Stability (of lyophilized product): At +15°C to +30°C stable for (see label on vial). Humidity: <55%

Storage (stability) after reconstitution in deionized water

After reconstitution of the lyophilized exosomes, we recommend storing at +2°C to +8°C for only one week!

For long-term storage we recommend preparing different aliquots and store them at -20°C. Just thaw the tube you are going to use each time. We also suggest not to store for too long as we can't know when the proteins inside exosomes will degrade.

Usage

This product is for research/laboratory usage only. It may not be used as drug, agricultural or pesticidal product, food additive or household chemical.

Quality Control:

Extracellular vesicle marker of ExoScience EVs detection by Western Blotting.

Reconstituted ExoScience EVs can be directly detected by transmembrane proteins (CD9/CD63/CD81) and cytosolic protein TSG101.

