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Human Cord Blood Exosome-Rich Plasma – ERP®

Catalog# UBP-004.1 1x10^9 particles

Product Description

Exosomes are sub-light-microscopic nanoparticles of 50-150 nm diameter released by cells. ERP® is exosome-rich plasma from human cord blood. The exosomes are purified and isolated with a patented and proprietary polyethylene glycol (PEG) partitioning method. The purified exosomes are passed through 0.22-micron sterile micropore filters to eliminate larger vesicles, cell debris, and cells.

Volume: 100 – 200 µL

Direction of Use:

Storage: Store at -20°C or colder when not in use
Biosafety: Level 2*

*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.

Preparation of Exosomes:

1. Thaw ERP® in ice.
2. Mix the thawed ERP® by pipetting.
3. Avoid freeze thaw

Quality Control Specifications

Concentration of particles / vial	>1x10^9 particles
Size distribution	70-80% with diameter of 50-200 nm
Protein marker expression	CD63, FLOT1
Sterility (bacteria, yeast and fungi)	Sterile

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While MonoTx uses reasonable efforts to include accurate and up-to-date information on this product sheet, MonoTx makes no warranties or representations as to its accuracy.

Ver. 1.1
Date: 18 Aug 2022

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This product is sent with the condition that you are responsible for its safe storage, handling, and use. MonoTx is not liable for any damages or injuries arising from receipt and/or use of this product.

Ver. 1.1
Date: 18 Aug 2022