



ASXO-1003: hiEX™ Research iPSC Exosomes

Product Information

Catalog Number	ASXO-1003 hiEX™ Research iPSC Exosomes
Description	ASXO-1003 hiEX™ iPSC Research Exosomes are produced by induced pluripotent stem cells (iPSCs) that were episomally reprogrammed under GMP conditions from human umbilical cord CD34+ cells.
iPSC Reprogramming Method	Episomal
Starting Tissue	Umbilical cord blood CD34+ cells
Donor Age	Neonatal
Donor Sex	Male
Donor Race	Hispanic
Donor Clinical information	Normal
Quantity	>10 billion particles per vial in 1 mL DPBS (custom formulations are available upon inquiry)
Shipping	Dry ice
Storage and Stability	Store in -80°C freezer immediately upon receipt. Avoid repeated freezes and thaws. This product is stable for at least 12 months from the date of receiving when stored as directed.
Quality Control and Characterization	Substantial QC has been performed on the exosome product and the human iPSCs used to produce them. Full QC and characterization details of the starting material can be found on the data sheet for AST-9450. Product characterization has been performed on the product (see Characterization section), and each lot is QC tested for concentration, size, purity, and tetraspanin surface markers (CD9, CD63, CD81).
Safety Precaution	Wear appropriate Personal Protection Equipment (lab coat, gloves, safety goggles) when handling frozen or thawed vials.
Warranty and Liability	The performance of Applied StemCell's hiEX™ Research Exosomes has been extensively characterized. Applied StemCell makes no warranty and will not be held liable for the product's performance in purchasers' unique research protocols.
Restricted Use	This product is for research use only and not intended for human or animal diagnostic or therapeutic uses.

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Characterization

hiEX™ Research Exosomes are collected from Xeno-free ActiCells™ GMP-Matching RUO TARGATT™ hiPSC cell line (catalog # AST-9450-C), purified and concentrated by ultrafiltration, vialled in 1 mL of DPBS with a concentration of $>10^9$ particles/mL, and stored at -80°C.

Each lot is QC tested for concentration, size, purity, and tetraspanin surface markers (CD9, CD63, CD81). A lot-specific Certificate of Analysis (CoA) is provided with each order.

Please refer to the web page for [ASXO-1003](https://appliedstemcell.com/product/hiex-research-ipsc-exosomes/) (https://appliedstemcell.com/product/hiex-research-ipsc-exosomes/) for current characterization summaries and available representative data, such as protein mass spectroscopy and miRNA content by RNA-Seq.