

ExoQure™

AGE ZERO EXOSOMES™



ExoQquireTM

AGE ZERO EXOSOMESTM

WELCOME TO **AGE ZERO**

EXOQUIRE, LLC

MANUFACTURED IN USA

For more information, visit our website:

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PRODUCT GUIDE

EXOSOMES DERIVED FROM HUMAN MESENCHYMAL STEM CELLS (hWJ-MSC-EXO)

Mesenchymal Stem Cells derived from Wharton's Jelly in human umbilical cords exhibit superior proliferation and differentiation potential and are an emerging aesthetics treatment option for professional use only.

ExoQure Age Zero Exosomes are the best-in-class solution in the market, derived from human 'age zero' perinatal MSCs. Highest potency and purity, with stringent quality testing at every step of the process of isolation, concentration and cryostorage.

QUALITY ASSURED

USA MFA in ISO Class 7
Clean Room, Registered:
NYS Tissue Bank & FDA
HCT/P Lab

ETHICALLY DERIVED

Umbilical cords
donated, screened &
tested after a live
healthy, full-term birth to
FDA 21 CFR 1271

VERSATILE & POTENT

Immunoprivileged hWJ-
MSC-Exosomes are
ideal for topical use post
microneedling

KEY BENEFITS

- CLIA Lab Certificate of Analysis and Conformity with every shipment per every vial
- Xeno free, serum free, clinical grade, "Off-The-Shelf" exosomes for topical use
- Exosomes suspended in saline maintains ultimate potency, never lyophilized
- Produced to stringent US FDA Exosome Manufacturing Standards

AGE ZERO EXOSOMES VIALED IN 5ml SALINE

This is our ideal concentration/
volume of pure ExoQure

Available in 2 Sizes

50B & 100B

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AGE ZERO EXOSOMES THE NEW GOLD STANDARD

ExoQure Exosomes are derived from healthy, fresh, human Umbilical Cord Wharton's Jelly Mesenchymal Stromal / Stem cells.

ExoQure exosomes are powered by a patent pending Stem Cell Technology. Young, healthy donors of umbilical cord WJ-MSCs have been screened and tested negative for communicable diseases, such as HIV I/II, Hepatitis B, Hepatitis C, HTLV I/II, Syphilis, CMV, West Nile, Zika Virus, COVID and screening for other pathogens per USA FDA 21 CFR 1271 HCT/P requirements.

Each **ExoQure** finished exosome lot is tested for sterility as per <USP 71>, endotoxin as per <USP 85>, bioburden, mycoplasma and infectious diseases at an independent USA certified CLIA lab.

ExoQure exosomes are characterized quantitatively via NanoSite300 for a full analysis of particle size and concentration, and all functional components present, providing the most comprehensive evaluation of safety and efficacy available anywhere in the world.

ExoQure exosomes are acellular, preservative - free, and manufactured with xeno free, serum free products at ExoQure's cGMP facility registered with FDA HCT/P Establishment, and licensed by New York State as a New York State tissue bank.

ExoQure exosomes have never been tested on animals

Product containing isolated and concentrated cryofrozen exosomes (not lyophilized) suspended in saline. [The Gold Standard.](#)

ExoQure operates in an ISO 7 Certified Clean Room with ISO 5 Certified BSL2 Hoods. ExoQure ISO 9001: 2015 compliant quality system is best-in -class.

ExoQure's clinical grade products are for RESEARCH USE ONLY (RUO) by a clinician or a researcher.

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SAFETY & QUALITY COMPETITOR COMPARISON

	EXOQURE SAFETY	EXOQURE EFFICACY	OTHER PRODUCTS	EXOQURE VALUE STATEMENT
'ZERO AGE'	All products derived from human Umbilical Cord Tissue Wharton's Jelly Mesenchymal Stem Cells (MSCs) which is a 'Zero Age' highly potent MSC source	Umbilical Cord Tissue Wharton's jelly MSCs are naturally designed for regeneration and are immunoprivileged.	Adipose (Fat) MSC from adults or less potent MSC tissue sources. Not immunoprivileged	Scientific publications all agree that Umbilical Cord Wharton's Jelly MSCs are the most potent source of MSCs and best-in-class compared to adipose, bone marrow, amniotic, placenta and umbilical cord blood
Serology	Starting umbilical cord tissue confirmed negative for 12 different viruses including HIV, HPV & HCV by 3rd party testing CLIA Lab	No pathogens introduced by the parting tissue	HIV, HPV and HCV only	All donor tissue is screened for pathogens & tested negative for communicable diseases to meet FDA 21 CFR 1271
MSC Manufacturing Process	Manufactures Mesenchymal Stem Cells (MSCs) at low (four) passage maintaining the highest quality and potency	MSCs are unchanged with 99% viability and greater than 92% viability post thaw	Cell banks copy MSCs and grow to large passage numbers 1,500+. MSCs less than 50% post that viability.	ExoQure exosomes are derived from WJ-MSCs, which are the most potent and viable off the shelf MSC solution, thus deriving a highly potent exosome. Exosomes are never expanded from a cell bank. Exosomes are filtered from MSCs harvested at low passage. High passage expansion is not ISSCR best-in-class standard, and therefore is not a mfg. process conducted at ExoQure
FACS	No cell types other than Mesenchymal Stem Cells (MSCs) in downstream process	Only exosomes positive for CD63 and CD81	No cell sorting performed	ExoQure is manufactured using one umbilical cord per each batch of MSCs and exosomes. Only Wharton's jelly is used to harvest MSCs. MSCs are specifically selected early in the process to ensure efficient production of uncontaminated

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PCR	Cells confirmed negative for different pathogens by 3rd party testing CLIA lab	No pathogens present in the cells	Not routinely performed	All vials are confirmed to be contaminated free.
Culture	No contaminating cells grown in the media.	Pure Exosomes grown in a high-fidelity proprietary medium	Use off-the-shelf medium.	Our proprietary xeno-free, serum-free medium ensures efficient and specific, low passage, high-quality UC-MSCs
NTA	Confirms particle size ensuring no contamination from other cell types was introduced during processing	Each vial of ExoQure exosomes is measured per Nanosite 300 and concentrated to the customer desired quantity	Only sell by the volume. Do not give an actual count.	As a result of our cGMP manufacturing process, ExoQure exosomes particle count is guaranteed and shipped with a certificate of conformity
Sterility	Tested negative for contamination, post culture and at vialing. Test endotoxin, bioburden, mycoplasma and sterility at 3rd party independent CLIA lab	Confirmation of no contamination being introduced at any point in the process.	Standard testing or not routinely performed	ExoQure guarantees all lots are confirmed to be contaminating free by independent 3rd party USA Certified CLIA lab.
Certificate of Quality	Objective independent 3rd party CLIA lab assessment provides CofA with every lot tested.	ExoQure final Certificate of Conformity includes the 3rd party independent CLIA lab Certificate of Analysis.	No Certificate of Quality provided with shipment	ExoQure exosomes are the most tested highest quality exosomes. Our bio manufacturing firm stands 100% behind out world class quality.



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