

JUVIAN EXO

AMAZING EXOSOME FROM TAIWAN



WHY JUVIAN EXO FROM TAIWAN

THE HEALTHCARE INDEX RANKED FIRST IN THE WORLD



CERTIFICATION



Application Number: **2024-11827**

Submitted By: Entax Biomedicals Co. Ltd.

Manufactured By: TAIWAN ADVANCE BIO-PHARMACEUTICAL (TABP) INC.

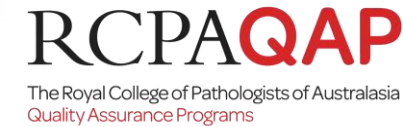
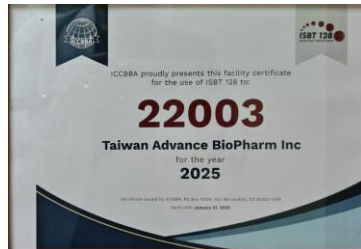
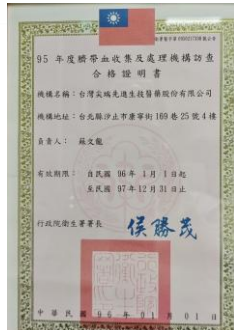
Tradename: CYTORUMM

If a tradename is not provided on the application, or the tradename field on the application is marked proprietary, the INCI name is published without a tradename or reference to the manufacturer.

If the assigned INCI name is a mixture, the components are listed in the table below in descending order of predominance.

Assigned INCI Name(s):

Mono ID	INCI Name(s)
3342	Water
2835	Sodium Chloride
38401	Human Umbilical Wharton's Jelly Mesenchymal Stem Cell Vesicles



WHY WE CHOOSE UMBILICAL CORD BLOOD MSCS EXOSOME

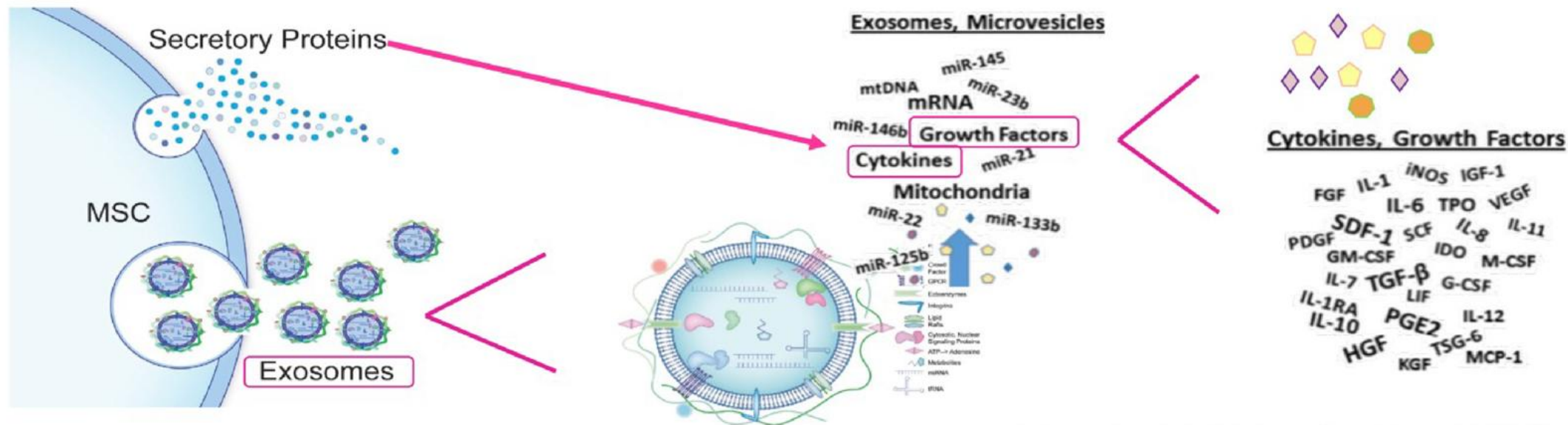
In terms of disease treatment, umbilical cord-derived tissues have a greater advantage than bone marrow-derived tissues in protecting nerves and promoting angiogenesis.



vs

Bone Marrow-derived MSCs	Umbilical Cord Blood-derived MSCs
▪ High risk of contamination ▪ Requires surgery for collection (Invasive) ▪ 10-15 minutes for whole process ▪ Cultured for ~5 passages ▪ Low doubling number ▪ Same age as the donor ▪ Requires a relatively perfect HLA match	▪ Low risk of contamination ▪ Obtained from delivered umbilical cord and placenta (Non-invasive) ▪ 3-6 months for whole process ▪ Cultured for at least 8-12 passages ▪ High doubling number ▪ 0 year old ▪ Has greater HLA compatibility

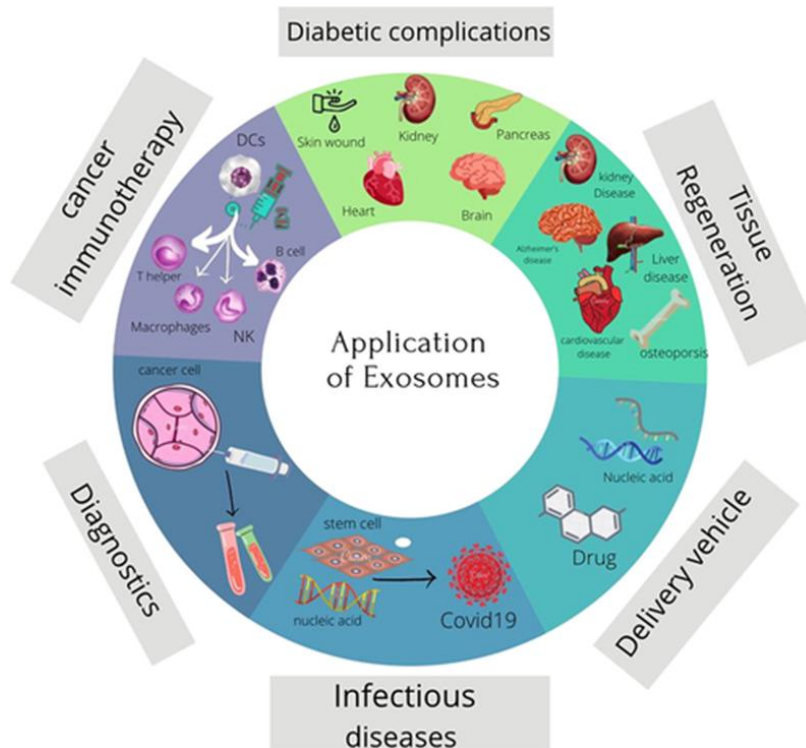
Sarutahiko holding Limited Co., Ltd.



Stem cell from MSCs → Exosomes , EVs → Contains

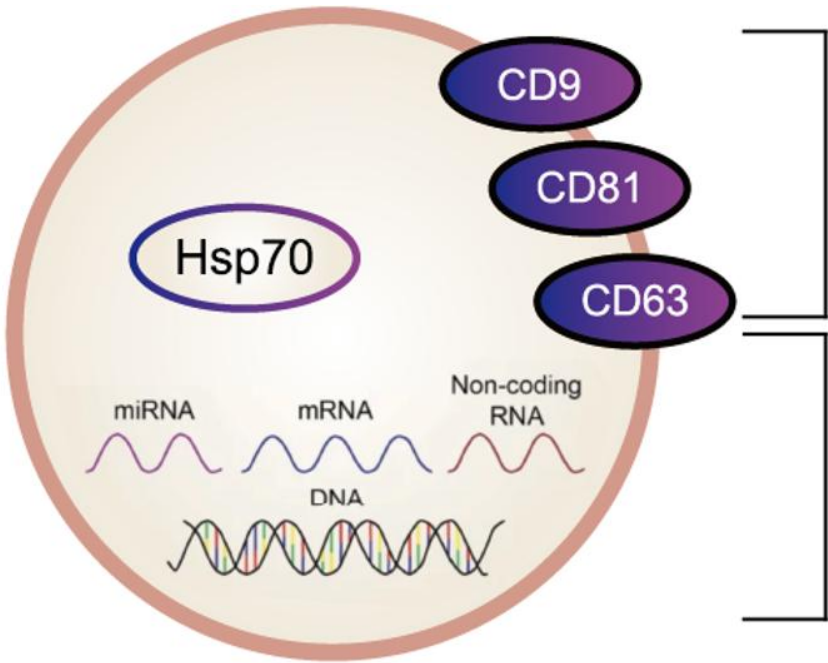
Our bodies are composed of approximately 200 different types of cells, all of which differentiate from stem cells. Stem cells can form various cell types. Among these, tiny exosomes play a crucial role. These are vesicles, 30-150 nanometers in diameter, encased in a cell membrane and containing carbohydrates, lipids, proteins, and cellular regulatory substances such as DNA, RNA, and signaling molecules.

HOW EXOSOME DO ?



○	→	Anti-Scarring	KGF、SDF-1、MIP-1a、MIP-1b
○	→	Anti-Apoptotic	SCF、SFRP2、TGF-B1、HGF
○	→	Angiogenic	VEGF、TGFB、PDGF
○	→	Mitogenic	TGF afa、TGF beta、HGF IGF-1、FGF-2、EGF

HIGH-QUALITY EXOSOME NEED TO PROOF



Protein labeling

The total range of substances contained within an exosome must be included to be considered a high-quality exosome.

Human Growth Factors Array		
PROTIEN	role	concentration(pg/ml)
XCL-1	Immune Cell Modulation	61917.6
MIF		46283.3
OPN	Promotes Bone Development and Wound Healing	1854831.2
VEGF-R1	Induces Angiogenesis and Cell Proliferation	115041.7
VEGF		3221.1
VEGF-D		3942.5
BMP-4	Promotes Organ Development and Bone Healing	13670.8
BMP-5		503526.6
BMP-7		61444.2
FGF-4	Promotes Hair Follicle Cell Regeneration	29567.3
FGF-7(KGF)		6001.5
HGF		9124.3
IGF-1	Modulates Immune Response and Exhibits Anti-inflammatory Effects	24275.4
IGFBP-1		1627.4
IGFBP-2		78508.2
IGFBP-3		123232.7
IGFBP-4		346335.5
IGFBP-6		33622.2
PDGF-AA	Induces Angiogenesis and Cell Proliferation	3869.6
PDGF-BB	Proliferation	13189.3
TGFb1	Promotes Collagen Production	13772999.4
TIMP-1	Controls Immune-Mediated Inflammation	60167.9
TIMP-2		67499.7

Juvian Exo (Sample Ref. Only)

JUVIAN'S EFFECT: WHITENING, ACNE SCARS LIGHTEN



EFFECT:

Immediate whitening and
acne scar treatment effects
after few times of use
Juvian Exo



2 TIMES INJECTIONS AT 2 MONTHS (IN CALMETTE HOSPITAL)



JUVIAN EXO APPLICATION AND INJECTION

EFFECT:WHITENING,WRINKLE LIGHTENING

BEFORE



AFTER



Juvian' s local injection

Effect: Improve skin redness, the wound becomes smaller, delicate skin

<Before>



<After>



JUVIAN'S NEEDLE ROLLING (3 TIMES)

JUVIAN'S EFFECT: FAIR SKIN,
SHRINK PORES, DELICATE SKIN

Needle roller 3 times



JUVIAN EXO HAIR GROWTH

1 MONTH AFTER
JUVIAN EXO + ESSENCE



2 Hair Growth

Hair growth (apply on the affected area)



INCREASED HAIR VOLUME AND DARKENING

JUVIAN'S KNEE JOINT INJECTION

EFFECT:
WEAKNESS FOR THE FIRST THREE DAYS
COMFORTABLE AFTER THREE DAYS
CAN MAINTAIN 4 MONTHS



ATOPIC DERMATITIS

FROM THE THIRD MONTH AFTER BIRTH UNTIL NOW, AT THE AGE OF FOUR, HE HAS BEEN SUFFERING FROM ODOROUS DERMATITIS.

USE FOR 1 MONTH

ALMOST COMPLETELY CURED AFTER 3 MONTHS OF USE.



BEFORE

AFTER

ECZEMA

Use for 1 month

Use for 2 month



BEFORE



AFTER

	Steroid	Hyaluronic Acid	PRP	MSC	Juvian Exo
Growth factors level	None	None	Low	Highest	High
Blood collection	None	None	Yes	Possible	None
Efficacy	Temporary	Temporary	Low	Highest	High
Customer Short Term Satisfaction	None	Low	Low	Low (1 in 10)	High (About 7 in 10)
Retail Pricing	Cheap	\$100 ~\$350	\$450 ~ \$1,500	\$2,000~ \$10,000	The Best

THANK YOU

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