MF+™

Experience the Miracle of Cellular Renewal with

EXS Exosomes

Low immunogenicity • Regenerative • Anti-inflammatory

Luminous Cell Renewal

Harnessing the regenerative powers of exosomes derived from potent progenitor stem cells known as mesenchymal stem cells (MSCs), our unique formula represents a revolution in aesthetic enhancement .

For those seeking a youthful glow, **MF Plus EXS Exosomes** not only stimulate new blood vessel formation for vibrant skin but also boost collagen production and regulate skin inflammation [1,2].

The Ingredients

Aqua, Mesenchyme derived from Wharton's jelly.

EXS Exosomes, meticulously derived from mesenchymal stem cells, are packed with a rich blend of bioactive molecules, including:

Protein

Growth factor and cytokines: Exosomes are a treasure trove of cytokines and growth factors which work tirelessly to immunoregulation and ensure your body's defences are at their peak![3]

Growth factor & cytokines	Aesthetic benefits
Transformatio Fons Factorem Beta	Enhances collagen production to promote skin elasticity, and firmness, and accelerate wound healing.
Vasculum Endothelium Crescit Factor	Stimulate angiogenesis (formation of new blood vessels from existing ones), enhances wound healing and skin repair.
Fibroblasto Incrementum factor	Improve scar visibility and smooth out skin texture, revealing only the smooth complexion.
Hepatocytus Incrementum Factor	Speed up wound healing and stimulate collagen production, reducing wrinkles and fine lines.
Insulinum Simile Incrementum Factor 1	Promote skin cell proliferation and turnover, contribute to smoother and even skin texture.

Cell adhesion molecules: MSC-derived exosomes also carry important cell adhesion and signalling molecules-such as integrins, cadherins, and fibronectins-which are involved in wound healing and skin repair.

Nucleic Acids

mRNA and miRNA: Exosomes carry messenger RNA (mRNA) and micro RNA (miRNA) that can transfer biological information and mediate tissue repair processes, transforming and renewing your body from within.

Lipids

Exosomes contain various lipids including **sphingomyelin, phospholipids, ganglioside, ceramides, phosphatidylserine, and phosphatidic acid** [4]. These lipids encapsulate the precious cargo inside, forming a protective cocoon that ensures the key ingredients of **EXS Exosomes** are safely and efficiently delivered to the target cells.

The Benefits

Youthful & radiance SKIN REJUVENATION

MF Plus EXS Exosomes reawaken your skin's vitality by boosting collagen synthesis and shielding against UVB damage! A noticeable decline in collagen levels can be characterized by features like rough-textured appearance, wrinkling, laxity and loss of elasticity. **MF Plus EXS Exosomes** can activate the fibroblast, the primary cell for type I collagen synthesis[5], ensuring the maintenance of the skin's structural integrity and elasticity. It also acts as a shield against UVB damage by inhibiting the production of reactive oxygen species (ROS) induced by UVB radiation. This dual-action approach not only protects the skin but also fosters a vibrant, youthful glow.

Moreover, **MF Plus EXS Exosomes** carry a potent blend of anti-inflammatory molecules, including cytokines and growth factors, which work synergistically to modulate the immune response and suppress inflammatory processes in the skin.

Advanced HAIR RESTORATION

Revolutionise your hair restoration journey with a non-surgical alternative - **MF Plus EXS Exosomes** therapy! Packed with growth factors that can promote hair follicle growth and stimulate angiogenesis (formation of new blood vessels), which is crucial in nourishing hair follicles. Additionally, **MF Plus EXS Exosomes** is able to regulate the hair growth cycle and provide protection against inflammation, resulting in the reduction of hair loss [6].

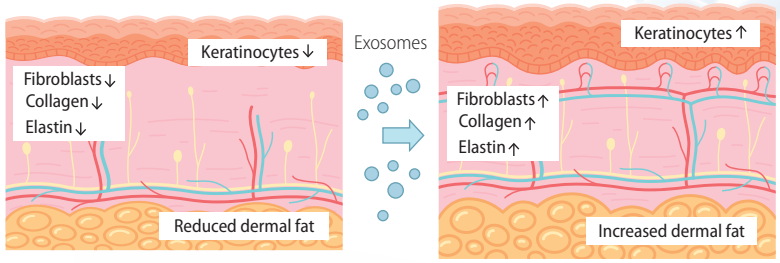
Accelerate WOUND HEALING

Exosomes play an important role in vascularization (formation of new blood cells), which is essential in ensuring that skin cells receive the nutrients they require. Through the paracrine effect, they also stimulate angiogenesis and speed up wound healing. **MF Plus EXS Exosomes** also leads to the polarization of the M2 macrophage phenotype (white blood cell that is heavily involved in tissue repair), ensuring tissue repair even in challenging conditions such as diabetes!

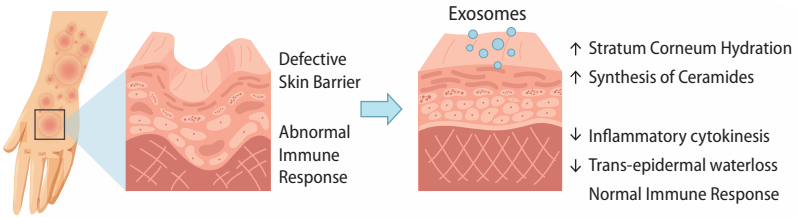
Discover the Glow of Health with MF Plus EXS Exosomes

Skin Regenerative Ability of Exosomes

ANGIOGENIC & STIMULATE COLLAGEN PRODUCTION



REGULATION OF INFLAMMATION



Testimonials & Case Studies

Case 1: Middle-aged women with melasma pigmentation

Case 2: Middle-aged women with Post-Inflammatory Hyperpigmentation

General Application & Protocol

TOPICAL
Apply twice daily onto a clean face, neck, or any area of concern. Use 1-2 vials per week.

MOLECULAR WEIGHT & CONCENTRATION
65-70kDa. Concentration of 10 billion particles per vial.

STORAGE
Keep in a cool, dry place between + 4°C to +16°C. Do not expose to direct sunlight or heat.

MESOTHERAPY
(Intradermal injection)
Administer 1-2 vials per session. Once a week.

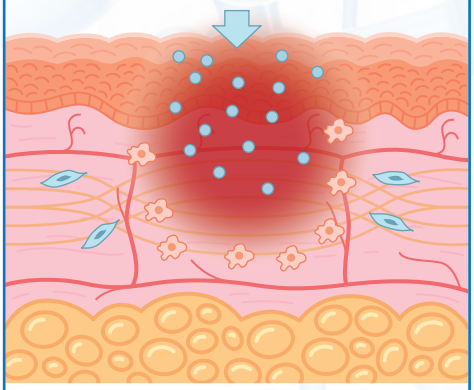
CONTRAINDICATION
Not suitable for individuals with a known sensitivity or allergy to proteins and peptides.

AVAILABLE SET
2ml x 2 vials
2ml x 5 vials
2ml x 10 vials

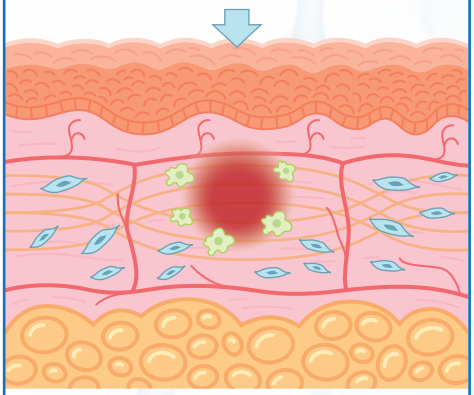
Mechanism of Action

of exosomes in suppressing skin inflammation

EXOSOMES ADMINISTRATION



CUTANEOUS WOUND



WOUND HEALING

Epithelial cell
Subcutaneous fat
Vasculature
Lesion

ANTI-INFLAMMATION

ANGIOGENESIS

PROLIFERATION & MIGRATION

REMODELLING

References

[1] Shabbir, A., Cox, A., Rodriguez-Menocal, L., Salgado, M., & Badiavas, E. V. (2015). Mesenchymal stem cell exosomes induce proliferation and migration of normal and chronic wound fibroblasts, and enhance angiogenesis in vitro. Stem cells and development, 24(14), 1635-1647.

[2] Yang, G. H., Lee, Y. B., Kang, D., Choi, E., Nam, Y., Lee, K. H., ... & Jeon, H. (2021). Overcome the barriers of the skin: exosome therapy. Biomaterials Research, 25(1), 1-13.

[3] Yin, K., Wang, S., & Zhao, R. C. (2019). Exosomes from mesenchymal stem/stromal cells: a new therapeutic paradigm. Biomarker research, 7(1), 1-8.

[4] Donoso-Quezada, J., Ayala-Mar, S., & González-Valdez, J. (2021). The role of lipids in exosome biology and intercellular communication: Function, analytics and applications. Traffic, 22(7), 204-220.

[5] Sanada, A., Yamada, T., Hasegawa, S., Ishii, Y., Hasebe, Y., Iwata, Y., ... & Akamatsu, H. (2022). Enhanced Type I Collagen Synthesis in Fibroblasts by Dermal Stem/Progenitor Cell-Derived Exosomes. Biological and Pharmaceutical Bulletin, 45(7), 872-880.

[6] Kost, Y., Muskat, A., Mhaimeed, N., Nazarian, R. S., & Kobets, K. (2022). Exosome therapy in hair regeneration: A literature review of the evidence, challenges, and future opportunities. Journal of Cosmetic Dermatology, 21(8), 3226-3231.

MF+™

www.mf-plus.com

INTERNATIONAL LEADERSHIP STAR FOR QUALITY AWARD
DIAMOND SUMMIT AWARD

WINNER nbi Nutraceutical Business & Technology Awards 2012
GENEVA SWITZERLAND
• MOST EFFECTIVE MARKETING CAMPAIGN WINNER

Inventions Geneva
DOUBLE GOLD MEDAL WINNER
GENEVA INVENTION 2011
• BEST INGREDIENT INNOVATION

International Quality Standard 2014
CERTIFIED BY SWISS INSTITUTE OF QUALITY STANDARDS (S.I.Q.S.) IN ACCORDANCE WITH INTERNATIONAL QUALITY STANDARDS OF PRODUCTS / SERVICES

Best Enterprise Award
BY SOCRATES COMMITEE, OXFORD, UK 2014
EUROPE BUSINESS ASSEMBLY (EBA RESEARCH CENTRE)
in field of Biological Medicine

ver 03/2025