FUSION MESO

AESTHETIC MEDICINE FORMULATIONS

F-EXOSOMES PRODUCT PAPER

Cellular stimulation for complete skin rejuvenation

F-EXOSOMES

F-EXOSOMES is an advanced skincare formulation that combines 1.5% pure hyaluronic acid with the regenerative power of Lactobacillus-derived exosomes. This potent blend is meticulously designed to deliver deep hydration, strengthen the skin barrier, and enhance radiance, resulting in a smoother, firmer, and more youthful-looking complexion.

This innovative formula helps with:

1. Lifting and firming the skin while reducing deep wrinkles and fine lines.
2. Enhancing skin tone and radiance while reducing redness and calming irritation.
3. Repairing and strengthening the skin barrier while stimulating cellular regeneration and promoting wound healing.

What makes us different?

- Our lactobacillus-derived exosome stands out for its **excellent skin absorption, high biocompatibility** and **natural origin,** making it superior to natural extracts or liposomes.
- **Our purification process ActivEXO-MF** offers a significant advancement in exosome recovery compared to conventional methods. The exosome purified with ActivEXO-MF is superior because it **ensures higher specificity and efficiency of exosomes,** with **high purity and minimal contamination,** outperforming traditional methods like centrifugation.
- **The high specificity of our exosomes promotes absorption and allows them to reach the dermal layer of the skin.** Furthermore, its specificity increases the permeability of the exosomes by up to three times, ensuring its absorption deep into the dermal layer.
- In vitro studies demonstrate that starting from a concentration of 0.3%, wound healing is supported, with substantial improvement seen at 0.625%. For this reason, we have **formulated F-EXOSOMES at 1% to ensure optimal effectiveness in promoting wound healing.**
- Similarly, an improvement in the cell proliferation effect is observed starting at 0.625%, ensuring that our product delivers this action effectively. By working with 1% of the active ingredient, **F-EXOSOMES ensures an improvement in cell proliferation.** This stimulates the growth and division of cells, which is crucial for tissue regeneration and skin repair, and can contribute to healthier, firmer, and rejuvenated skin.
- In our clinical studies*, we observed that from the very first session, the skin shows **improvement in wrinkles elasticity, redness, spots and UV spots, sebum control, and overall resilience.**

F-EXOSOMES

F-EXOSOMES 是一款高效皮肤治疗制剂，融合了 1.5% 高纯度透明质酸与源自乳酸杆菌的外泌体，具有显著的细胞再生与组织修复潜能。该复合配方旨在促进真皮层深度水合，增强皮肤屏障功能，并提升表皮光泽度，从而改善皮肤质地，增强紧致度，并延缓皮肤老化过程，使肤质更显年轻与健康。

此创新性配方有助于改善以下皮肤状况

1. 提升紧致肌肤，淡化深层皱纹与细纹
2. 均匀肤色，提升光泽，缓解泛红与刺激
3. 修复并强化皮肤屏障，促进细胞再生与伤口愈合

我们的独特优势

高效吸收与生物相容性
我们采用的乳酸杆菌来源外泌体具有卓越的皮肤吸收能力、高生物相容性及天然来源，优于传统的天然提取物或脂质体载体。

先进纯化技术：ActivEXO-MF
我们独有的 ActivEXO-MF 外泌体纯化工艺在回收效率与纯度方面远超传统方法。相比离心等常规技术，ActivEXO-MF 可实现更高的外泌体特异性与效率，确保高纯度、低污染。

精准靶向与深层渗透
我们外泌体的高特异性不仅促进皮肤吸收，还能有效穿透至真皮层。其特异性使渗透能力提升至原来的三倍，确保活性成分深入作用于皮肤深层。

伤口修复效果显著
体外研究显示，从 0.3% 浓度开始即具备伤口愈合支持作用，在 0.625% 浓度时效果显著。因此，我们将 F-EXOSOMES 配方设定为 1%，以确保最佳的伤口修复效果。

促进细胞增殖与组织再生
研究亦表明，从 0.625% 浓度开始可显著促进细胞增殖。F-EXOSOMES 采用 1% 活性成分，有效刺激细胞生长与分裂，有助于组织再生与皮肤修复，使肌肤更健康、紧致、焕发年轻光彩。

临床实证功效
在我们的临床研究中，首次使用后即观察到皮肤在皱纹弹性、泛红、色斑、紫外斑、皮脂分泌控制及整体耐受性方面均有明显改善。

- After 5 treatments with F-EXOSOMES, we have **successfully reduced wrinkles by 50%*.** Additionally, there is a **visible improvement in the overall condition of the skin, including a brighter complexion, reduced pore visibility, and more even skin tone.**

After 5 treatments with F-Exosomes combined with microneedling, a 50% reduction in the appearance of wrinkles has been observed.

*Clinical study conducted with F-EXOSOMES in combination with microneedling treatment over 5 sessions. For analysis, the Skin Analyzer machine by Ekseption was used.

Main actives

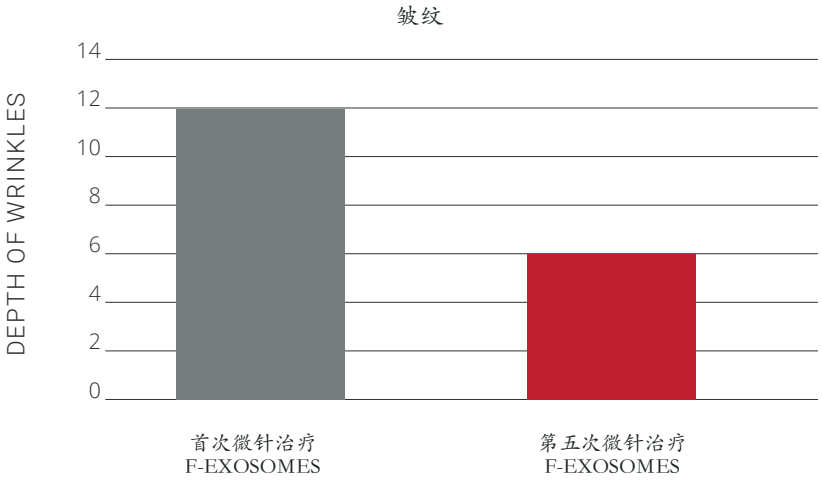
Hyaluronic acid (1,5%)

Renowned for its exceptional moisture-binding properties, 1.5% hyaluronic acid attracts and retains hydration within the skin, providing both instant and long-lasting hydration. This intense moisture boost plumps the skin, softens fine lines and wrinkles, and restores a fresh, dewy glow, leaving the skin visibly healthier and more revitalized.

Lactobacillus exosomes (1%=10.000.000.000 exosomes per ml)

Lactobacillus exosomes technology, is central to the product performance. These exosomes play a crucial role in enhancing the skin's natural regenerative processes by carrying essential proteins, lipids, and signaling molecules directly to skin cells. This targeted delivery helps improve cellular repair, promoting smoother, more elastic skin with a healthier appearance. Exosomes have a size 500 times smaller than human pores.

经过 5 次 F-EXOSOMES 治疗后，皱纹减少达 50%*。此外，整体肤况明显改善，包括肤色更明亮、毛孔更不明显、肤色更加均匀。



经过 5 次微针联合 F-EXOSOMES 治疗后，皱纹减少达 50%*。同时，皮肤整体状态明显改善，包括肤色更明亮、毛孔更细致、肤色更加均匀。

*本临床研究在五次疗程中将F-外泌体与微针治疗联合应用，以评估其对皮肤改善的效果。皮肤状态的分析采用Ekseption品牌的Skin Analyzer专业设备进行。

主要活性成分

透明质酸（1.5%）

1.5% 透明质酸因其卓越的锁水能力而备受推崇，能有效吸引并维持肌肤水分，提供即时且持久的深层滋润。强效的补水作用可令肌肤饱满丰盈，淡化细纹与皱纹，重现清新水润的光泽，使肌肤焕发健康、年轻的神采。

乳酸菌外泌体（1% = 100亿/毫升）

乳酸杆菌外泌体技术是本产品核心功效的关键所在。外泌体可携带关键蛋白质、脂类及信号分子，精准传递至肌肤细胞，有效激活肌肤的自然修复机制，促进细胞再生，从而改善肌肤弹性与光滑度，令肤质更健康、细腻。外泌体的尺寸比人体毛孔小约500倍，有助于高效渗透与吸收。

Our technology

One of the key advantages of our technology is its ability to facilitate cell-to-cell communication. This bioactive interaction strengthens the skin's response to environmental stressors, supporting effective cellular repair. The advanced multi-stage purification process of our exosomes ensures that they retain their potency while remaining gentle on the skin. By removing impurities, this process guarantees safety and efficacy, making the serum suitable even for sensitive skin.

The combined effect of hyaluronic acid and exosomes provides immediate and sustained hydration while strengthening the skin's natural barrier. With regular use, visibly reduces fine lines, improves elasticity, and promotes an even-toned, youthful-looking complexion.

Recommended applications

The following are the recommended applications where F-EXOSOMES can be integrated into professional skincare protocols to maximize results:

- Microneedling
- RF-Microneedling
- Radiofrequency
- Mezotix
- Fractional laser
- Ultrasound
- Electrocorporation
- Galvanic Currents
- Jet-Peel
- Hydrafacial

Product specifications

F-Exosomes comes in a blister pack containing 5 vials of 5 ml each. Each vial is enough for one professional treatment and for creating our sterile cream.

我们的技术

我们的技术优势之一在于其促进细胞间通讯的能力。这种生物活性互动可增强肌肤对环境压力的应对能力，支持高效的细胞修复。我们采用先进的多阶段外泌体纯化工艺，确保其活性成分得以保留，同时温和不刺激肌肤。通过去除杂质，该工艺保障了产品的安全性与有效性，使精华液即使在敏感肌肤上也能安心使用。

透明质酸与外泌体的协同作用不仅提供即时且持久的深层滋润，还能强化肌肤天然屏障。持续使用可明显淡化细纹、提升弹性，并改善肤色均匀度，使肌肤焕发年轻光采。

推荐适用项目

以下是推荐的应用项目，F-EXOSOMES 可融入专业护肤疗程中，以最大化疗效：

- 微针疗法
- 射频微针
- 射频
- Mezotix
- 分段点阵
- 超声
- 电穿孔
- 直流电流
- 喷射换肤
- 水氧活肤

产品规格

产品形式：
F-Exosomes 采用泡罩包装，每盒包含 5 支 5 毫升安瓶。

使用说明：
每支安瓶适用于一次专业疗程，并可用于调配本品牌的无菌面霜。