celia
Research Protocols

Skin and Hair

ReGenix Anti-Aging Serum with Exosomes 3% 20mL

About

This advanced face serum combines exosomes, RNA/DNA complex, GHK-Cu, and hyaluronic acid to support skin regeneration, hydration, and rejuvenation. It's designed to promote a firmer, smoother, and more radiant complexion.

What's Included

- One vial of Serum
- 3% exosomes/5%RNA DNA Complex/15%GHK-Cu-Copper/20%hyaluronic acid/20mL

*Keep refrigerated

Clinical Research Potential Benefits:

- May boost collagen for firmer, more elastic skin
- May deeply hydrate and improve moisture retention
- May support cellular repair and reduce fine lines
- May brighten skin tone and enhance texture

Clinical Research Suggested Use:

- 3-5 drops daily
- Apply 3-5 drops to clean washed face daily
- Duration: 12 months

ReGenix Anti-Aging Serum with Exosomes 3% 20mL Mechanism of Action

- **Copper Peptide Complex and Cellular Regeneration:**
  - GHK-Cu (glycyl-L-histidyl-L-lysine copper) is a naturally occurring copper-binding tripeptide that stimulates cellular repair, collagen synthesis, and tissue remodeling. By delivering bioavailable copper ions (Cu^{2+}) into the dermal layer, it activates key regenerative enzymes involved in wound healing, antioxidant defense, and fibroblast proliferation, promoting visibly firmer, rejuvenated skin.
- **Collagen Remodeling and Extracellular Matrix Repair:**
  - GHK-Cu upregulates the expression of collagen types I and III, elastin, and glycosaminoglycans (GAGs) while downregulating matrix-degrading enzymes such as MMP-2 and MMP-9. This dual action restores dermal structure, improves elasticity, and reduces fine lines and wrinkles by rebuilding the extracellular matrix.
- **Exosome-Mediated Cellular Communication:**
  - Exosomes act as biological messengers, delivering proteins, peptides, and microRNAs that signal cellular rejuvenation and tissue repair. When paired with GHK-Cu, exosomes amplify regenerative signaling by stimulating fibroblast activation, keratinocyte proliferation, and epidermal renewal, resulting in enhanced skin tone and texture.
- **Angiogenesis and Oxygen Delivery:**
  - GHK-Cu promotes angiogenesis through upregulation of vascular endothelial growth factor (VEGF), improving microcirculation and oxygenation within the dermis. This enhanced vascular response supports nutrient exchange and accelerates healing and regeneration at the cellular level.
- **Anti-Inflammatory and Antioxidant Defense:**
  - The copper peptide complex neutralizes reactive oxygen species (ROS) and reduces inflammatory cytokines that contribute to skin aging. Exosomes complement this action by modulating immune signaling and promoting homeostatic balance within the skin's microenvironment, reducing redness, irritation, and oxidative damage.
- **Systemic Regenerative Effects:**
  - Beyond its localized action, GHK-Cu supports cellular signaling for repair and regeneration across skin and connective tissue layers. Its multifunctional mechanism promotes a healthier scalp ecosystem, resulting in improved hair density, growth rate, and follicle vitality.
- **DNA Repair and Cellular Longevity:**
  - GHK-Cu has been shown to upregulate DNA repair genes and restore gene expression patterns associated with youthful skin function. Combined with exosomal signaling, this enhances mitochondrial activity, autophagy, and cellular turnover, contributing to visible anti-aging effects and improved dermal vitality.
- **Comprehensive Skin Rejuvenation:**
  - Together, GHK-Cu and exosomes deliver synergistic anti-aging, regenerative, and reparative benefits, enhancing collagen density, hydration, and elasticity while reducing inflammation and oxidative stress. The result is smoother, firmer, more radiant skin with improved resilience and cellular health.