Professional Care
- Adipose-derived Stem Cell Extract with Bioengineered Growth Factors

Dermaheal Stem C’rum

Dermal Ampoule System
- Lyophilized Ampoule 6 vials
- Stem C’rum Solution 6 ml, 6 vials / Set

Adipose-derived Stem Cell Extract

The Dermaheal Stem C’rum is composed of Adipose-derived Stem Cell extract and Growth Factors in high concentrations. The Dermaheal Stem C’rum helps the proliferation of stem cells in skin, thereby regenerating damaged skin tissues by aging or wrinkle and maintaining elasticity. Adipose-derived Stem cell (ASC) is a somatic stem cell contained in fat tissue. ASCs are multi-potent cells that abundantly exist in tissue, and therefore, they are ideal as a cell source in the field of regenerative medicine. Our Nano-capsulation technology enables it to infiltrate key ingredients, concentrated seven Growth Factors (60 ppm each / vial) and extracted proteins, of the Stem C’rum into skin. The infiltrated ingredients promote the differentiation of adult stem cells into skin cells, which makes Anti-aging, Anti-wrinkle and Anti-pigmentation effects.

Method to maximize performance and optimize effect of Stem C’rum
Microneedle therapy / Fractional Laser / Iontophoresis

Main Ingredients: EGF, IGF-1, bFGF, TRX, VEGF, aFGF, TGF-β1 (60 ppm each / vial), Human Adipocyte Conditioned Media Extract

Step 1 Remove both caps from the ampoule. Place ampoule II onto ampoule I.
Step 2 Push ampoule II to release all solution into ampoule I.
Step 3 Shake ampoule I well and then push ampoule II to inhale all solutions into ampoule I.
Step 4 Gently pour the solution to apply on face.

Infiltration test of Growth Factor in Stem C’rum
After the topical treatment of the Stem C’rum, Growth Factor in the Stem C’rum was shown in epidermis and dermis in fluorescence assay.

Long term stability of Stem C’rum Nanosome in high temperature

After the topical treatment of the Stem C’rum, Growth Factor in the Stem C’rum was shown in epidermis and dermis in fluorescence assay.

Day for incubation at 37°C
**Professional Care**

- Adipose-derived Stem Cell Extract with Bioengineered Growth Factors

**Stem C’rum activates stem cell proliferation**

![Control](image1)  ![Treated](image2)

Increase of cell proliferation was observed on Adipose-derived Stem Cell by Stem C’rum.

**Stem C’rum induce differentiation of Adipose-derived Stem Cell into skin keratinocyte**

![Control](image3)  ![Treated (10d)](image4)  ![Treated (15d)](image5)

Differentiation by Caregen Stem C’rum. Adult stem cells in human body were differentiated into various skin cells by the action of conditioned media extract and with the main ingredient of the Stem C’rum.

**Increased the collagen synthesis after Stem C’rum treatment**

![Control](image6)  ![Treated](image7)

Collagen synthesis in dermis was increased by the treatment of Stem C’rum and the damaged human skin tissue was regenerated.

**Decreased the dermal wrinkles and pigmentation after Stem C’rum treatment**

42 yrs Female

![Before](image8)  ![After](image9)

Treatment of Stem C’rum with 8 weeks decreased the dermal fine lines and wrinkles, decreased the aged pigmentation and spot.
Reduces and prevents fine lines and wrinkles with newly generating skin cells. Strengthens skin elasticity by inducing the synthesis of collagen, elastin and other ECM. Hydrates dry skin and helps it to maintain its optimum moisture balance.

**Direction for Use:** Use general face mesotherapy and mesoroller (microneedle) method.
- Step 1. Remove both caps from the vials
- Step 2. Inject (or pour) the solution to powder vial
- Step 3. Gently mix well

**Main Ingredients:** Epidermal Growth Factor (EGF), Insulin like Growth Factor-1 (IGF-1), basic Fibroblast Growth Factor (bFGF), Thioredoxin (TRX), Vascular endothelial Growth Factor (VEGF), acidic Fibroblast Growth Factor (aFGF), Human Adipocyte Conditioned Media Extract, Transforming Growth Factor-β1 (TGF-β1) [10 ppm each/vial]

**Clinical data of Stem C’rum SR**

Fine line wrinkles has decreased after using Stem C’rum SR for 8 weeks in this clinical test.
Professional Care
- Adipose-derived Stem Cell Extract with HL (Anti-hair Loss Solution)

Dermaheal Stem C’rum HL(Anti-hair Loss)
Lyophilized Powder 5vials + Stem C’rum HL Solution 5ml, 5vials / set

Moisturizes, nourishes and improves the hair and scalp condition.
Promotes blood circulation in the scalp and revitalizes hair follicles.
Induces hair growth as increasing the size of hair follicle and stops hair loss.

Direction for Use:
Use general mesotherapy and mesoroller (microneedle) method.
Step 1. Remove both caps from the vials
Step 2. Inject (or pour) the solution to powder vial
Step 3. Gently mix well

Main Ingredients:
Insulin like Growth Factor-1 (IGF-1), basic Fibroblast Growth Factor (bFGF), Vascular Endothelial Growth Factor (VEGF)
(10 ppm each / vial), Copper Tripeptide-1, Biotin,
Human Adipocyte Conditioned Media Extract,
Amino Acids, Minerals and Vitamins

Hair growth test of Stem C’rum HL

Control

Treated

Control

Treated

Length and thickness of hair have been increased in the hair root organ, when applied with Stem C’rum HL.
### Professional Care

#### – Mesotherapy

#### Skin Care

**+ Dermaheal SR (Skin Rejuvenating) 5mlx10vials / set**

Noticeable effects on the reduction of fine lines and wrinkles by generating new skin cells.

Reduces and prevents fine lines and wrinkles with newly generating skin cells. Strengthens skin elasticity by inducing the synthesis of collagen, elastin and other ECM. Hydrates dry skin and helps it to maintain its optimum moisture balance.

**Direction for Use:** Use general face mesotherapy and mesoroller method.

**Main Ingredients:** Epidermal Growth Factor (EGF), Insulin-like Growth Factor-1 (IGF-1), basic Fibroblast Growth Factor (bFGF), Thioredoxin (TRX), Copper Tripeptide-1, Multi-vitamins, Amino acids and Minerals

**+ Dermaheal SB (Skin Brightening) 5mlx10vials / set**

Noticeable effects on reduction and prevention of hyperpigmentation by decreasing the melanin synthesis.

Reduces and prevents hyperpigmentation and fights aged spots in the skin.

**Direction for Use:** Use general face mesotherapy and mesoroller method.

**Main Ingredients:** CG-TGP2(Oligopeptide-34), CG-ASP(Pentapeptide-13), Ascorbic acid(Vitamin C), Arbutin

**+ Dermaheal HSR (1% Hyaluronic Skin Rejuvenating) 5mlx10vials / set**

Noticeable effects on the reduction of fine lines and wrinkles by generating new skin cells.

Reduces and prevents fine lines and wrinkles with newly generating skin cells. Strengthens skin elasticity by inducing the synthesis of collagen, elastin and other ECM. Hydrates dry skin and helps it to maintain its optimum moisture balance.

**Direction for Use:** Use general face mesotherapy and mesoroller method.

**Main Ingredients:** Epidermal Growth Factor (EGF), Insulin-like Growth Factor-1 (IGF-1), basic Fibroblast Growth Factor (bFGF), Thioredoxin (TRX), Copper Tripeptide-1, Hyaluronic Acid(1.0%), Multi-vitamins, Amino acids and Minerals
Professional Care
– Mesotherapy

Hair Care

**Dermaheal HL(Anti-hair Loss) 5mlx10vials / set**
Nourishes and stimulates the hair follicles and increases the blood circulation in the scalp.

- Moisturizes, nourishes, and improves the hair and scalp condition.
- Promotes blood circulation in the scalp and revitalizes hair follicles.
- Induces hair growth as increasing the size of hair follicle and stops hair loss.

**Direction for Use:** Use general scalp and target area mesotherapy and mesoroller method.

**Main Ingredients:** Insulin-like Growth Factor-1 (IGF-1), basic Fibroblast Growth Factor (bFGF), Vascular Endothelial Growth Factor (VEGF), Copper Tripeptide-1, Multi-vitamins, Amino acids and Minerals

Body Care

**Dermaheal LL (Lipolytic) 5mlx10vials / set**
Visibly provides a gorgeous uplifted complexion by sliming fatty tissue.

- Refines texture effectively and slims your face and body with a fat burning effect.
- Strengthens skin elasticity by increasing collagen and elastin.

**Direction for Use:** Use on general body and target area mesotherapy method.

**Main Ingredients:** Insulin-like Growth Factor-1 (IGF-1), Phosphatidylcholine, L-Carnitine, Multi-vitamins, Amino acids and Minerals

**Treatment**
- 1 session[vial] every 1 week for 1 month
- Determine the ideal maintenance treatments for each patient
Professional Care
– Needle Free Mesotherapy

Conductive Gels for Needle Free Mesotherapy
Needle Free Mesotherapy is a new technique without pain and bruising. It overcomes the barriers that Needle Mesotherapy created.
- Innovative and pain-free aesthetic treatment.
- Shorten time between treatments and effectiveness.
- Treat on larger areas.
- Back to normal activities after treatment.

Premixed Growth Factors for Each Application
Direction for use: Use general needle free mesotherapy method as follows:
- Iontophoresis / Electrophoresis / Phonophoresis / Isophoresis

• Face and Neck Therapy

Dermaheal FAA Gel (Anti-aging Facial) 30ml
Main Ingredients: EGF, IGF-1, bFGF, aFGF, TRX, Copper Tripeptide-1, Hyaluronic Acid, Arbutin, Vitamin C

Dermaheal SL Gel (Skin Lightening / Anti-pigmentation) 30ml
Main Ingredients: TRX, Arbutin, Coenzyme Q10, Licorice Extract, Ginkgo Biloba leaf Extract, Vitamin C, Hyaluronic Acid

Dermaheal AA Gel (Anti-acne Facial) 30ml
Main Ingredients: EGF, bFGF, IgY, Lactoferrin, WKC

Dermaheal DC Gel (De-dark Circle) 30ml
Main Ingredients: CG-ASP, Whitening Peptide Complex, Vitamin K, Vitamin C, Vitamin E, Coenzyme Q10, Palmitoyl Oligopeptide, Palmitoyl Tetrapeptide, Hesperidin Methyl Charchone, Chrysin, Cucumber Extract, Copper Tripeptide-1, Multi-mineral

• Hair and Scalp Therapy

Dermaheal HL Gel (Anti-hair Loss) 30ml
Main Ingredients: IGF-1, bFGF, VEGF, Copper Tripeptide-1, Biotin

• Body Therapy

Dermaheal AC Gel (Anti-cellulite / Fat Reduction) 30ml
Main Ingredients: IGF-1, Phosphatidylcholine, L-Carnitine, Caffeine, Caprylic Capric Triglyceride, Vitamin C

Dermaheal SM Gel (Anti-stretch Mark) 30ml
Main Ingredients: EGF, bFGF, Centella Asiatica Extract, Carosine, Amino Acids