Biomimetic Peptide / Growth Factor

The world’s leader of cosmeceuticals
Caregen continues its technology innovation to make our products more accessible and affordable to our partners all over the world.
Caregen is a global leader of research and marketing of Biomimetic Peptides and Growth Factors. Caregen is not only the world’s first company which has registered Growth Factors in PCPC (Personal Care Products Council, formerly CTFA), but also possesses various Biomimetic Peptide patents all around the world. Our advanced R&D in biotechnology industry has led us to patented active ingredients with an excellent reputation in the cosmetic industry for many years.

Dermaheal was launched in 2004, and it is a compound word using ‘Dermis’ and ‘Heal’ with the concept of taking care of our skin with innovative active ingredients. Dermaheal has been attracting customers all over 110 countries and keeping up with technological innovation to make our products more accessible and affordable to our customers all over the world.
History

2012 03  Relocation of Head Office for expansion (Current address)
01  REVOFIL launched
2011 11  Acquired CE 1023 of REVOFIL
 Additional 2 Patents registered and 3 PCT(Patent Cooperation Treaty) opened
 Total 20 Growth Factors and 61 Biomimetic Peptides registered in PCPC(Personal Cosmetic Products Council, former CTFA)
 02  Acquired CE 1023 of Dermaheal SB/LL
2010 12  Total 11 Patents registered and 7 PCT opened Total 19
 Growth Factors and 58 Biomimetic Peptides registered in PCPC
 10  Biomimetic Peptides applied in PCPC
2010 04  7 Biomimetic Peptides registered in PCPC
2009 09  Completed clinical studies for Skin & Hair product in Germany and USA
 RENOKIN launched
 08  Acquired CE 1023 Dermaheal HSR/SR/HL
 07  Acquired ISO 13485
 02  8 Peptides registered in CTFA
2008 12  Awarded 100 Top Patent by Small & Medium Business Administration
 10  3 Peptides registered in CTFA
2007 11  9 Patents applied and registered
 04  3 Peptides registered in CTFA
2006 07  9 Peptides registered in CTFA
 04  4 Growth Factors registered in CTFA
 Dermaheal launched
2005 11  Acquired ISO 9001 & 2000
 10  3 Growth Factors and 6 Peptides registered in CTFA
 07  Developed Rejuline & Prohairin-ß4 Peptides
2004 08  Designated a Promising Export Firm by Small & Medium Business Administration
 07  11 Growth Factors registered in CTFA as cosmetic ingredients
2003 06  Acquired Certification of NT Venture Biotech Company
2002 03  Started research of Biomimetic Peptide
 01  Founded R&D Center and relocation of Head Office
2001 08  Established Caregen Co.,Ltd.

Acknowledgement

CAREGEN TECHNOLOGY AND PRODUCTS ARE ACKNOWLEDGED BY AUTHORIZED ORGANIZATIONS IN RELEVANT AREA.
- 20 Growth Factors registered in PCPC
- 72 Biomimetic Peptides registered in PCPC
- Multiple Patents over 100 patented materials in Korea, USA, Japan, China and Europe etc.

R&D Center: The Root of CAREGEN

Caregen, established in 2001, has committed to the R&D of growth factors and biomimetic peptides which have been produced by the transformed bacterial system and biomolecular remodeling, respectively. Caregen R&D Center has been in alliance with world-class research groups and companies in Korea and overseas. We have established environments ranging from small-scale state-of-the-art laboratory to large commercial facilities.
Business Area

RAW MATERIALS FOR COSMECEUTICALS
Caregen has developed different types of growth factors such as CG-EGF, CG-IGF1, CG-aFGF, CG-VEGF, CG-TRX and CG-IL10 etc. Besides growth factors, biomimetic peptides are becoming the fastest growing and the most appreciated materials in cosmeceutical and pharmaceutical industries. Caregen biomimetic peptides, such as Rejuline, CG-Purilux, CG-Dermaheal, CG-Keramin2, Prohairin-ß4, CG-TGF2, CG-EDP3 and CG-IDP group have almost full activities compared to their intact growth factors.

OEM / ODM
Our expertise and experience in biotechnology give us capability of developing various cosmeceutical products with high quality. From raw materials to finished products, Caregen provides what customer needs and wants.

COSMECEUTICALS
‘Dermaheal’ is a brand to provide high quality cosmeceutical products which contain Caregen’s cutting edged growth factors and biomimetic peptides. Dermaheal products take care of Anti-aging, Anti-pigmentation, Anti-hair loss, Anti-inflammation and other skin troubles with homecare and professional lines.
Platform Technology

GROWTH FACTORS
Caregen has committed to the R&D of growth factors, which have been produced by the transformed bacterial system. Developing high quality growth factors and mass production skill are key factors of Caregen technology.

BIOMIMETIC PEPTIDES
Caregen has been developing plenty of biomimetic peptides and successfully commercialized in cosmeceuticals. Caregen is a leading company in the field of developing biomimetic peptides for cosmeceutical and pharmaceutical applications. Caregen is pursuing expansion of its application to pharmaceuticals, functional foods and therapeutics.

ENHANCING SKIN PENETRATION
Caregen has achieved double-layered capsulation technology as a transdermal delivery system. Every active ingredients are capsulated by double-layered capsulation technology for better skin penetration.

STEM CELL RESEARCH
Caregen has focused on the research of skin stem cell proliferation and differentiation for cosmeceutical application.
Growth Factors

WHAT IS GROWTH FACTOR
Growth factors are proteins that bind to their own receptors on cell surface with the primary result of activating cell proliferation and/or differentiation. Not only as strong mitogens, growth factors are regulating the expressions of ECMs (Extra Cellular Matrix) like collagen, elastin and laminin etc.

SUPERIORITY OF GROWTH FACTORS
- Competitive price based on mass production technology
- High efficacy and stability by double-layered capsulation technology
- High purity by sophisticated production facility and technical superiority

Biomimetic Peptides

WHAT IS BIOMIMETIC PEPTIDE
Caregen has developed biomimetic peptides since 2002 based on various and broad growth factor studies. Caregen’s commercialized peptides are synthetic agonists of naturally-occurring growth factors and completely mimic the action of the parental molecules. Those biomimetic peptides can provide clinical benefits similar to recombinant growth factors, reduced costs, and greater chemical stability.

COMPARATIVE ADVANTAGES OF BIOMIMETIC PEPTIDES
- Sustainable new biomimetic peptides development
- Competitive price based on mass production technology
- High efficacy and stability by double-layered capsulation technology
- High purity by sophisticated production skill based on technical superiority
## Raw Materials

Registered Ingredients on PCPC (Former CTFA)

### GROWTH FACTORS - SYNTHETIC PROTEIN

<table>
<thead>
<tr>
<th>Trade Name</th>
<th>INCI Name</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>CG-EGF (EGF, Epidermal Growth Factor)</td>
<td>sh-Oligopeptide-1</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
</tr>
<tr>
<td>CG-IGF1 (IGF-1, Insulin-like Growth Factor-1)</td>
<td>sh-Oligopeptide-2</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
</tr>
<tr>
<td>CG-IGF2 (IGF-2, Insulin-like Growth Factor-2)</td>
<td>sh-Polypeptide-31</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
</tr>
<tr>
<td>CG-bFGF (bFGF, basic Fibroblast Growth Factor)</td>
<td>sh-Polypeptide-1</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
</tr>
<tr>
<td>CG-TRX (TRX, Thioredoxin)</td>
<td>sh-Polypeptide-2</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
</tr>
<tr>
<td>CG-KGF (KGF, Keratinocyte Growth Factor)</td>
<td>sh-Polypeptide-3</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
</tr>
<tr>
<td>CG-SCF (SCF, Stem Cell Factor)</td>
<td>rh-Polypeptide-4</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
</tr>
<tr>
<td>CG-TGF-a (TGF-α, Transforming Growth Factor-α)</td>
<td>rh-Polypeptide-22</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
</tr>
<tr>
<td>CG-Human Nerve Growth Factor (NGF, Nerve Growth Factor)</td>
<td>rh-Polypeptide-13</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
</tr>
<tr>
<td>Somatotropin (hGH, human Growth Hormone)</td>
<td>rh-Polypeptide-7</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
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<tr>
<td>CG-PDGF (PDGF, Platelet Derived Growth Factor)</td>
<td>rh-Polypeptide-8</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
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<tr>
<td>CG-VEGF (VEGF, Vascular Endothelial Growth Factor)</td>
<td>sh-Polypeptide-9</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
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<tr>
<td>CG-FGF10 (FGF-10, Fibroblast Growth Factor-10)</td>
<td>sh-Polypeptide-10</td>
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<tr>
<td>CG-aFGF (aFGF, acidic Fibroblast Growth Factor)</td>
<td>sh-Polypeptide-11</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
</tr>
<tr>
<td>CG-TGF-β1 (TGF-β1, Transforming Growth Factor-β1)</td>
<td>sh-Polypeptide-19</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
</tr>
<tr>
<td>CG-IL4 (IL-4, Interleukin-4)</td>
<td>sh-Polypeptide-12</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
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<tr>
<td>CG-Thymosin-β4 (Thymosin-β4)</td>
<td>sh-Oligopeptide-4</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
</tr>
<tr>
<td>CG-Thymosin-β4 (Thymosin-β4)</td>
<td>sh-Oligopeptide-4</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
</tr>
<tr>
<td>CG-Human Nerve Growth Factor (NGF, Nerve Growth Factor)</td>
<td>rh-Polypeptide-14</td>
<td>Anti-aging, Anti-pigmentation, Hair care, Anti-inflammation</td>
</tr>
</tbody>
</table>

20 SYNTHETIC PROTEINS REGISTERED
## Raw Materials

### BIOMIMETIC PEPTIDES

<table>
<thead>
<tr>
<th>Trade Name</th>
<th>INCI Name</th>
<th>Application</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Anti-Aging</td>
</tr>
<tr>
<td>CG-Collagrin</td>
<td>Oligopeptide-55</td>
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</tr>
<tr>
<td>CG-Liftin</td>
<td>Oligopeptide-62</td>
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<tr>
<td>CG-Dermaheal</td>
<td>Oligopeptide-45</td>
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<tr>
<td>CG-TGP2</td>
<td>Oligopeptide-34</td>
<td>✓</td>
</tr>
<tr>
<td>CG-Keramin2</td>
<td>Decapeptide-10</td>
<td>✓</td>
</tr>
<tr>
<td>CG-WINT</td>
<td>Oligopeptide-18</td>
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</tr>
<tr>
<td>CG-Whyter</td>
<td>Decapeptide-16</td>
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<tr>
<td>CG-Glamerin</td>
<td>Oligopeptide-50</td>
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<tr>
<td>CG-Purilux</td>
<td>Oligopeptide-51</td>
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<tr>
<td>CG-Nospotin</td>
<td>Oligopeptide-53</td>
<td>✓</td>
</tr>
<tr>
<td>CG-Nokkin</td>
<td>Oligopeptide-54</td>
<td>✓</td>
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<tr>
<td>CG-Demelarin</td>
<td>Oligopeptide-58</td>
<td>✓</td>
</tr>
<tr>
<td>CG-Demelatide</td>
<td>Oligopeptide-58</td>
<td>✓</td>
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<tr>
<td>Prohairin-84</td>
<td>Octapeptide-2</td>
<td>✓</td>
</tr>
<tr>
<td>CG-Grotene</td>
<td>Oligopeptide-74</td>
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<tr>
<td>CG-Edrin</td>
<td>Oligopeptide-71</td>
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<tr>
<td>CG-Noflamin</td>
<td>Decapeptide-16</td>
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<tr>
<td>CG-Inflamin</td>
<td>Oligopeptide-59</td>
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</tr>
<tr>
<td>CG-Aflamin</td>
<td>Heptapeptide-10</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trade Name</td>
<td>INCI Name</td>
<td>Application</td>
</tr>
<tr>
<td>------------</td>
<td>-----------</td>
<td>-------------</td>
</tr>
<tr>
<td>CG-Atomin</td>
<td>Oligopeptide-59</td>
<td>Anti-Aging</td>
</tr>
<tr>
<td>CG-Irramin</td>
<td>Oligopeptide-67</td>
<td>Anti-Inflammation, Sebum Control</td>
</tr>
<tr>
<td>CG-Elima</td>
<td>Decapeptide-19</td>
<td>Anti-Pigmentation</td>
</tr>
<tr>
<td>CG-Promkine</td>
<td>Decapeptide-20</td>
<td>Anti-Atopic Dermatitis</td>
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<tr>
<td>CG-Bucanol</td>
<td>Oligopeptide-83</td>
<td>Anti-Inflammation, Oral Care</td>
</tr>
<tr>
<td>CG-Lipoxyn</td>
<td>Tripeptide-41</td>
<td>Anti-Microbial, Lipolysis</td>
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<tr>
<td>CG-Seperin</td>
<td>Octapeptide-11</td>
<td>Anti-Inflammation, Sebum Control</td>
</tr>
<tr>
<td>CG-Boostrin</td>
<td>Oligopeptide-72</td>
<td>Anti-Inflammation</td>
</tr>
<tr>
<td>CG-Inflendin</td>
<td>Heptapeptide-16</td>
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<tr>
<td>CG-Blocklin</td>
<td>Hexapeptide-46</td>
<td>Anti-Inflammation, Lipolysis</td>
</tr>
<tr>
<td>CG-Nisterin</td>
<td>Decapeptide-24</td>
<td>Anti-Inflammation</td>
</tr>
<tr>
<td>CG-Flatin</td>
<td>Decapeptide-23</td>
<td>Anti-Inflammation</td>
</tr>
<tr>
<td>CG-Satyen</td>
<td>Decapeptide-19</td>
<td>Anti-Inflammation</td>
</tr>
<tr>
<td>CG-Everin</td>
<td>Oligopeptide-89</td>
<td>Anti-Inflammation</td>
</tr>
<tr>
<td>CG-Omnipolin</td>
<td>Oligopeptide-88</td>
<td>Anti-Inflammation</td>
</tr>
<tr>
<td>CG-Actisef</td>
<td>Oligopeptide-87</td>
<td>Anti-Inflammation</td>
</tr>
<tr>
<td>CG-Somatorin</td>
<td>Oligopeptide-86</td>
<td>Anti-Inflammation</td>
</tr>
</tbody>
</table>

72 BIOMIMETIC PEPTIDES REGISTERED
**Skin Delivery System**

**DOUBLE-LAYERED CAPSULATION TECHNOLOGY**
Caregen’s double-layered capsulation technology improves penetration of active ingredients into skin. In addition, the molecules are protected from endogenous proteases with double-layered capsulation which gives higher efficacy.

**ADVANTAGES OF DOUBLE-LAYERED CAPSULATION**
- High stability by double-layered structure
- High homogeneity: average diameter of particle is 140 nm and over 80% particles are below 100 nm in size.
- Efficient delivery of therapeutic cosmetic components into dermal layer.

**Penetration Test for Double-layered Capsulation**
Active ingredients were effectively delivered into dermal layer with double-layered capsulation technology.

**Topical Cream Treatment**
FITC-labeled growth factors and biomimetic peptides were capsulated and penetrated to Dermis.
Stem Cell Research Technology 4

Stem cell is a type of blast cell, which can differentiate to various adult cells including skin cell and hair cell. Caregen has focused on skin stem cell differentiation to skin keratinocytes for Anti-aging.

RESEARCH FIELDS
Cosmeceuticals

STEM CELL CULTURE PROCESS

Adipose tissue

1. Human adipose tissue sample is digested with collagenase type I solution
2. Centrifugation: Discard supernatant.
3. Cell pellets are suspended of stromal medium (DMEM/F-12 + FBS).
4. Human adipose derived stem cell is cultured: 37°C, 5% CO2 humidified incubator.
5. Remove the cell and extract the culture medium.

STEM CELL DIFFERENTIATION

Bone Adipose Neuron Cardiac muscle Skin

Adipose derived mesenchymal stem

Mesenchymal stem cell isolation

Cell bank

Caregen
To provide total skin care solution to patients, Dermaheal suggests optimal product line for each step of procedures to professionals.

### Professional Therapy

<table>
<thead>
<tr>
<th>Professional Therapy</th>
<th>Face and Neck</th>
<th>Hair and Scalp</th>
<th>Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anti-Aging</td>
<td>Anti-Hair Loss, Hair Regrowth</td>
<td>Anti-Cellulite Target Fat Reduction</td>
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</tr>
<tr>
<td>Anti-Pigmentation</td>
<td>Anti-Acne</td>
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<tr>
<td>Anti-Acne</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LASER/PEELING/ME SOTHERAPY</td>
<td></td>
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</tr>
<tr>
<td>Dermaheal Stem C’rum SR</td>
<td>Dermaheal Stem C’rum HL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermaheal SR</td>
<td>Dermaheal HL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermaheal SB</td>
<td>Dermaheal LL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MESO-BOOSTERS</td>
<td>M. Booster Face</td>
<td>M. Booster Hair</td>
<td>M. Booster Body</td>
</tr>
<tr>
<td>IONTOPHORESIS/ ELECTROPHORESIS/ PHONOPHORESIS/ ISOPHORESIS MACHINES</td>
<td></td>
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</tr>
<tr>
<td>Dermaheal FAA Gel</td>
<td>Dermaheal HL Gel</td>
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<tr>
<td>Dermaheal SL Gel</td>
<td>Dermaheal AC Gel</td>
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<tr>
<td>Dermaheal AA Gel</td>
<td>Dermaheal SM Gel</td>
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<tr>
<td>Dermaheal DC Gel</td>
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<tr>
<td>ULTRA GALVA</td>
<td>Ultra Galva FAA</td>
<td>Ultra Galva HL</td>
<td>Ultra Galva AC</td>
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<td>Ultra Galva SL</td>
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</tr>
<tr>
<td>Ultra Galva AA</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Professional Therapy

ADIPOSE-DERIVED STEM CELL MEDIUM EXTRACT WITH BIOENGINEERED GROWTH FACTORS
Adipose-derived Stem Cell (ASCs) 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. The infiltrated ingredients promote the differentiation of adult stem cells into skin cells, which make Anti-aging, Anti-wrinkle and Skin brightening, and Anti-hair loss effects.

DERMAHEAL STEM C’RUM
INTENSIVE CARE AFTER PROFESSIONAL THERAPY
Dermaheal Stem C’rum is composed of Adipose-derived Stem Cell (ASCs) extract and growth factors in high concentration (60ppm each/vial). Dermaheal Stem C’rum helps the proliferation of skin cells which regenerates skin tissues and maintains skin elasticity. Caregen’s nano-encapsulation technology enables concentrated 6 growth factors and stem cell extract of Stem C’rum to infiltrate into skin.

DERMAHEAL STEM C’RUM SR (SKIN REJUVENATING)
Reduces and prevents fine lines and wrinkles with newly generating skin cells. Strengthens skin elasticity by inducing the synthesis of collagen, elastin and other ECMs (Extra Cellular Matrix). Hydrates dry skin and helps to maintain the optimum moisture balance.

DERMAHEAL STEM C’RUM HL (ANTI-HAIR LOSS)
Moisturizes, nourishes and improves the hair and scalp condition. Promotes blood circulation in the scalp and revitalizes hair follicles. Induces hair growth by increasing the size of hair follicle and stops hair loss.
## Professional Therapy

<table>
<thead>
<tr>
<th></th>
<th>Professional Therapy</th>
<th>Dermaheal Stem C’rum</th>
<th>Dermaheal Stem C’rum SR</th>
<th>Dermaheal Stem C’rum HL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRESENTATION</strong></td>
<td>Lyophilized Powder 100mg X 6 Vials Stem C’rum Solution 6ml x 6 vials</td>
<td>Lyophilized Powder 100mg X 5 Vials Stem C’rum SR Solution 5ml x 5 vials</td>
<td>Lyophilized Powder 100mg X 5 Vials Stem C’rum HL Solution 5ml x 5 vials</td>
<td></td>
</tr>
<tr>
<td><strong>CONCENTRATION OF GROWTH FACTORS</strong></td>
<td>60 ppm of each Growth Factor / vial</td>
<td>10 ppm of each Growth Factor / vial</td>
<td>10 ppm of each Growth Factor / vial</td>
<td></td>
</tr>
<tr>
<td><strong>APPLICATION</strong></td>
<td>Every morning and night 1 vial for 1 week use</td>
<td>1 session per week 1 vial for 1 session</td>
<td>1 or 2 sessions per week 1 vial for 1 session</td>
<td></td>
</tr>
<tr>
<td><strong>SHELF LIFE</strong></td>
<td>2 years from production</td>
<td>2 years from production</td>
<td>2 years from production</td>
<td></td>
</tr>
<tr>
<td><strong>PERIOD AFTER OPENING</strong></td>
<td>Stable for 30 days in refrigerator</td>
<td>Stable for 5 days in refrigerator</td>
<td>Stable for 5 days in refrigerator</td>
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<tr>
<td><strong>CAN BE COMBINED WITH</strong></td>
<td>Home Care Products</td>
<td>M. Booster Body</td>
<td>M. Booster Hair</td>
<td></td>
</tr>
</tbody>
</table>
Efficacy Data / Clinical Test Data

**DERMAHEAL STEM C’RUM**

**Cell Proliferation Test**

MSC proliferation was increased by treatment of Dermaheal Stem C’rum.

**Collagen Synthesis Test**

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

**Cell Differentiation Test**

Differentiation by treatment of Dermaheal 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 ingredients of Dermaheal Stem C’rum.

CK19 : Keratinocyte cell marker

**Clinical Test Data : Skin textile and nasolabial fold**

Treatment of Dermaheal Stem C’rum for 8 weeks

Dermal fine lines and wrinkles were decreased and skin brightness was increased by treatment of Dermaheal Stem C’rum after professional therapy.

**DERMAHEAL STEM C’RUM SR**

**Fibroblast cell**

Fibroblast cell proliferation was increased by treatment of Dermaheal Stem C’rum SR

**Clinical Test Data : Infra- palpebral wrinkles and crow’s feet**

Treatment of Dermaheal Stem C’rum SR for 8 weeks.

Fine lines and wrinkles were decreased by treatment of Dermaheal Stem C’rum SR.

**DERMAHEAL STEM C’RUM HL**

**Cell Differentiation Test**

Differentiation by treatment of Dermaheal 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 ingredients of Dermaheal Stem C’rum.

**Clinical Test Data**

Before 10 months

SEX : Male
AGE : Mid 50’s
PROTOCOL : 1 session per week
PRODUCT : Dermaheal Stem C’rum HL, Home care product
PERIOD : 10 months

Before After

Hair length and thickness were increased in the hair root organ when applied with Dermaheal Stem C’rum HL for 1 month.
## Professional Therapy

<table>
<thead>
<tr>
<th>Dermaheal SR</th>
<th>Dermaheal HSR</th>
<th>Dermaheal SB</th>
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</thead>
<tbody>
<tr>
<td><strong>PRESENTATION</strong></td>
<td>5ml x 10 Vials / Set</td>
<td>5ml x 10 Vials / Set</td>
</tr>
<tr>
<td><strong>ACTIVE INGREDIENTS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>APPLICATION</strong></td>
<td>1 session per week</td>
<td>1 session per week</td>
</tr>
<tr>
<td></td>
<td>1 vial for 1 session</td>
<td>1 vial for 1 session</td>
</tr>
<tr>
<td><strong>SHELF LIFE</strong></td>
<td>2 years from production</td>
<td>2 years from production</td>
</tr>
<tr>
<td><strong>PERIOD AFTER OPENING</strong></td>
<td>Stable for 5 days in refrigerator</td>
<td>Stable for 5 days in refrigerator</td>
</tr>
<tr>
<td><strong>CAN BE COMBINED WITH</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Professional Therapy

**DERMAHEAL HL**
Anti-Hair Loss, Hair-Regrowth Actions

**DERMAHEAL LL**
Adipose Tissue Reduction, Anti-Cellulite

**PRESENTATION**
- Dermaheal HL: 5ml x 10 Vials / Set
- Dermaheal LL: 5ml x 10 Vials / Set

**ACTIVE INGREDIENTS**
- **GF**
  - sh-Oligopeptide-2 (CG-IGF1), sh-Polypeptide-1 (CG-bFGF), sh-Polypeptide-9 (CG-VEGF), Copper Tripeptide-1, 14 Vitamins, 24 Amino Acids, 4 Minerals, 4 Nucleic Acids, 2 Reducing Agents
- **PT**
  - Decapeptide-4 (CG-IDP2), Acetyl Decapeptide-3 (Rejuline), Oligopeptide-41 (CG-Keramin1), Copper Tripeptide-1, 13 Vitamins, 24 Amino Acids, 5 Minerals, 4 Coenzymes, 4 Nucleic Acids, 2 Reducing Agents

- **GF**
  - Carnitine, sh-Oligopeptide-2 (CG-IGF1)
- **PT**
  - Carnitine, Decapeptide-4 (CG-IDP2)

**APPLICATION**
- 1 session per week
- 1 vial for 1 session

**SHELF LIFE**
- 2 years from production

**PERIOD AFTER OPENING**
- Stable for 5 days in refrigerator

**CAN BE COMBINED WITH**
- M. Booster Hair
- M. Booster Body
M. Booster Face is composed of 3 peptide complex which are innovative and cutting edged biomimetic peptides.

<table>
<thead>
<tr>
<th><strong>M. Booster Face</strong></th>
<th>M. Booster Face is composed of 3 peptide complex which are innovative and cutting edged biomimetic peptides.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRESENTATION</strong></td>
<td>100 mg powder x 6 vials (set)</td>
</tr>
<tr>
<td><strong>ACTIVE INGREDIENTS</strong></td>
<td>- Oligopeptide-51 (CG-Purilux)  &lt;br&gt;- Oligopeptide-73 (CG-EPG)  &lt;br&gt;- Oligopeptide-34 (CG-TGP2)</td>
</tr>
<tr>
<td><strong>APPLICATION</strong></td>
<td>1 session per week, combine with Dermaheal SR/HSR/SB or Stem C’rum SR</td>
</tr>
<tr>
<td><strong>SHELF LIFE</strong></td>
<td>2 years from production</td>
</tr>
<tr>
<td><strong>PERIOD AFTER OPENING</strong></td>
<td>Stable for 5days in refrigerator</td>
</tr>
</tbody>
</table>
### M. Booster Hair

**Presented by:**
100 mg powder x 6 vials (set)

**Active Ingredients:**
- Oligopeptide-54 (CG-Nokkin)
- Decapeptide-10 (CG-Keramin2)
- Decapeptide-18 (CG-WINT)
- Oligopeptide-42 (CG-Fibramin)

**Application:**
1 session per week, combine with Dermaheal HL or Stem C’rum HL

**Shelf Life:**
2 years from production

**Period After Opening:**
Stable for 5 days in refrigerator

---

### M. Booster Body

**Presented by:**
100 mg powder x 6 vials (set)

**Active Ingredients:**
- Tripeptide-41 (CG-Lipoxyn)
- Oligopeptide-61 (CG-Cellsolin)
- Oligopeptide-51 (CG-Purilux)

**Application:**
1 session per week, combined with Dermaheal LL

**Shelf Life:**
2 years from production

**Period After Opening:**
Stable for 5 days in refrigerator

---

**Professional Therapy**

- **M. Booster Hair:**
  - Maximized efficacy of Anti-hair loss and Hair regain
  - 5ml solution x 10 vials
  - 100mg powder x 5 vials

- **M. Booster Body:**
  - Maximized efficacy of Body Slimming
  - 5ml solution x 10 vials
  - DERMAHEAL HL
  - DERMAHEAL STEM C’RUM HL
  - DERMAHEAL LL
## ULTRA GALVA FAA, SKIN REJUVENATION


- **Application**: Apply 1/2~1 vial (5ml) on the target area

- **Period After Opening**: 1 month at room temperature (below 25°C)

## ULTRA GALVA AA, ACNE CARE

- Acetyl Decapeptide-3 (Rejuline), Oligopeptide-24 (CG-EDP3), Oligopeptide-59 (CG-Inflarin), Panthenol, Lactoferrin, Salicylic Acid, Niacinamide, Trifolium Pratense (Clover) Flower Extract, Plantago Asiatica Extract, Camellia Sinensis Leaf Extract, Glycyrhiza Glabra (Licorice) Root Extract, Sodium Hyaluronate, Glycine Soja (Soybean) Oil, Hydrogenated Lecithin, Arginine, Nisin, Egg Yolk Extract

- **Application**: Apply 1/2~1 vial (5ml) on the target area

- **Period After Opening**: 1 month at room temperature (below 25°C)

## ULTRA GALVA SL, PIGMENT, AGED SPOT CARE

- Oligopeptide-34 (CG-TGP2), Oligopeptide-51 (CG-Purlux), Oligopeptide-73 (CG-EPG), Arbutin, 3-O-Ethyl Ascorbic Acid, Panthenol, Ginkgo Biloba Leaf Extract, Camellia Sinensis Leaf Extract, Glycyrhiza Glabra (Licorice) Root Extract, Citric Acid, Arginine, Ubiquinone

- **Application**: Apply 1/2~1 vial (5ml) on the target area

- **Period After Opening**: 1 month at room temperature (below 25°C)
Professional Therapy

**APPLICATION**
Combine with Iontophoresis / Electrophoresis / Phonophoresis / Isophoresis machines / Ultra sound / etc.

---

**ULTRA GALVA HL, HAIR REGAIN**

**PRESENTATION**
5ml x 10 Vials / Set

**ACTIVE INGREDIENTS**
Acetyl Decapeptide-3 (Rejuline), Decapeptide-10 (CG-Keramin2), Decapeptide-18 (CG-WNT), Oligopeptide-54 (CG-Nokkin), Panthenol, Polygala Tenuifolia Root Extract, Portulaca Oleracea Extract, Polygonum Multiflorum Root Extract, Thuja Orientalis Extract, Ginkgo Biloba Leaf Extract, Camellia Sinensis Leaf Extract, Glycyrrhiza Glabra (Licorice) Root Extract, Glycine Soja (Soybean) Oil, Arginine, Biotin, Chrysin

**APPLICATION**
- Apply 1/2~1 vial (5ml) on the target area

**PERIOD AFTER OPENING**
1 month at room temperature (below 25°C)

---

**ULTRA GALVA AC, BODY FAT AND CELLULITE CARE**

**PRESENTATION**
5ml x 10 Vials / Set

**ACTIVE INGREDIENTS**
Decapeptide-4 (CG-IDP2), Oligopeptide-51 (CG-Purlox), Oligopeptide-61 (Cellolin), Tripeptide-41 (CG-Lipoxyn), Carnitine (L-Carnitine), Hydrogenated Lecitine (Phosphatidylcholine), Panthenol, Caffeine, Centella Asiatica Extract, Pueraria Mirifica Root Extract, Camellia Sinensis Leaf Extract, Glycyrrhiza Glabra (Licorice) Root Extract, Glycine Soja (Soybean) Oil, Arginine

**APPLICATION**
- Apply 1/2~1 vial (5ml) on the target area

**PERIOD AFTER OPENING**
1 month at room temperature (below 25°C)
Professional Therapy

Dermaheal conductive gel has been premixed with high concentration of biomimetic peptides and other active ingredients.

APPLICATION
Combine with Iontophoresis / Electrophoresis / Phonophoresis / Isophoresis machines / Ultra sound / etc.

FACE AND NECK CARE

**Dermaheal FAA Gel (Anti-aging) 30ml**
Reduces fine lines and wrinkles.

**ACTIVE INGREDIENTS**
Copper Tripeptide-1, Acetyl Decapeptide-3 (Rejuline), Decapeptide-4 (CG-IDP2), Oligopeptide-24 (CG-EDP3), Oligopeptide-24, Tripeptide-6 (CG-CTP), Oligopeptide-42 (CG-Fibramin), Adenosine, Centella Asiatica Extract, Trifolium Pratense (Clover) Flower Extract, Sodium Chondroitin Sulfate, Camellia Sinensis Leaf Extract, Glycyrrhiza Glabra (Licorice) Root Extract, Sodium Hyaluronate

**Dermaheal AA Gel (Anti-acne) 30ml**
Soothes acne skin quickly.
Anti-bacteria, anti-inflammation and scar repairing effect.

**ACTIVE INGREDIENTS**
Oligopeptide-24 (CG-EDP3), Acetyl Decapeptide-3 (Rejuline), Trifolium Pratense (Clover) Flower Extract, Plantago Asiatica Extract, Salicylic Acid, Niacinamide, Camellia Sinensis Leaf Extract, Glycyrrhiza Glabra (Licorice) Root Extract, Sodium Hyaluronate, Egg Yolk Extract

**Dermaheal SL Gel (Skin Lightening, Anti-pigmentation) 30ml**
Reduces pigmentation, aged spots and freckles.

**ACTIVE INGREDIENTS**
Oligopeptide-34 (CG-TGP2), Pentapeptide-13 (CG-ASP), Tripeptide-6 (CG-ASP), 3-0Ethyl Ascorbic Acid, Arbutin, Sodium Chondroitin Sulfate, Ginkgo Biloba Leaf Extract, Camellia Sinensis Leaf Extract, Glycyrrhiza Glabra (Licorice) Root Extract, Sodium Hyaluronate, Ubiquinone

**Dermaheal DC Gel (De-dark Circle) 30ml**
Reduces dark circle.
Intensive eye contour treatment.

**ACTIVE INGREDIENTS**
Copper Tripeptide-1, Acetyl Hexapeptide-8, Palmitoyl Pentapeptide-3, Acetyl Decapeptide-3 (Rejuline), Palmitoyl Tripeptide-1, Oligopeptide-24 (CG-EDP3), Decapeptide-4 (CG-IDP2), Tripeptide-6 (CG-CTP), Oligopeptide-42 (CG-Fibramin), Arbutin, Adenosine, N- Hydroxyucccinimide, Camellia Sinensis Leaf Extract, Glycyrrhiza Glabra (Licorice) Root Extract, Sodium Hyaluronate, Menadione, Chrysín

**PRINCIPLE OF IONTOPHORESIS**

(+) and (-) Polarity
By applying polarity current to delivery electrode, the charged ingredients are repelled from electrode and forced through stratum corneum.

- **Power Source**
- **Chamber**
- **Skin**
- **Active ingredients**
Professional Therapy

HAIR AND SCALP CARE

Dermaheal HL Gel (Anti-hair Loss) 30ml
Improves hair and scalp condition. Induces hair regrowth.

ACTIVE INGREDIENTS

Dermaheal AC Gel (Anti-cellulite, Target Fat Reduction) 30ml
Fat burning effect. Destroys cellulite and adipose tissue by decomposing fat cells.

ACTIVE INGREDIENTS
Decapeptide-4 (CG-IDP2), Caprylic/Capric Triglyceride, Caffeine, Sodium Chondroitin Sulfate, 3-o-Ethyl Ascorbic Acid, Centella Asiatica Extract, Pueraria Mirifica Root Extract, Epigallocatechin Gallate, Camellia Sinensis Leaf Extract, Glycyrrhiza Glabra (Licorice) Root Extract, Sodium Hyaluronate

Dermaheal SM Gel (Anti-stretch Mark) 30ml
Reduces stretch mark by stimulating cell proliferation.

ACTIVE INGREDIENTS
Oligopeptide-24 (CG-EDP3), Acetyl Decapeptide-3 (Rejuline), 3-o-Ethyl Ascorbic Acid, Caprylic/Capric Triglyceride, Cycloexetrin, Sodium Chondroitin Sulfate, Centella Asiatica Extract, Collagen, Rutin, Camellia Sinensis Leaf Extract, Glycyrrhiza Glabra (Licorice) Root Extract, Sodium Hyaluronate, Zinc Chloride, Carnosine

BODY CARE

Dermaheal HL Gel (Anti-hair Loss) 30ml
Improves hair and scalp condition. Induces hair regrowth.

ACTIVE INGREDIENTS

Dermaheal AC Gel (Anti-cellulite, Target Fat Reduction) 30ml
Fat burning effect. Destroys cellulite and adipose tissue by decomposing fat cells.

ACTIVE INGREDIENTS
Decapeptide-4 (CG-IDP2), Caprylic/Capric Triglyceride, Caffeine, Sodium Chondroitin Sulfate, 3-o-Ethyl Ascorbic Acid, Centella Asiatica Extract, Pueraria Mirifica Root Extract, Epigallocatechin Gallate, Camellia Sinensis Leaf Extract, Glycyrrhiza Glabra (Licorice) Root Extract, Sodium Hyaluronate

Dermaheal SM Gel (Anti-stretch Mark) 30ml
Reduces stretch mark by stimulating cell proliferation.

ACTIVE INGREDIENTS
Oligopeptide-24 (CG-EDP3), Acetyl Decapeptide-3 (Rejuline), 3-o-Ethyl Ascorbic Acid, Caprylic/Capric Triglyceride, Cycloexetrin, Sodium Chondroitin Sulfate, Centella Asiatica Extract, Collagen, Rutin, Camellia Sinensis Leaf Extract, Glycyrrhiza Glabra (Licorice) Root Extract, Sodium Hyaluronate, Zinc Chloride, Carnosine
Post Professional Treatment

DERMAHEAL POST LASER CREAM 15G
Reduces and removes skin scars after laser treatment or skin peeling.
Provides high moisturizing effect.

DIRECTION FOR USE
Apply on target area and gently massage with fingertips for absorption.
Use twice daily.

ACTIVE INGREDIENTS
PT  Copper Tripeptide-1, Oligopeptide-24 (CG-EDP3), Acetyl Decapeptide-3 (Rejuline)
GF  sh-Oligopeptide-1 (CG-EGF), sh-Polypeptide-1 (CG-bFGF)
Others  Morus Alba Bark Extract

DERMAHEAL NANO-OBESSIA MASSAGE & SLIMMING CREAM 1000ML
Body Balance program. Recommended for application after Dermaheal LL

DIRECTION FOR USE
Apply suitable amount of cream on target area. Gently massage for 3 minutes until it is absorbed. Cleans with tissue or water. For higher efficacy combine with RF.

ACTIVE INGREDIENT
sh-Oligopeptide-2 (CG-IGF1), Olea Europaea (Olive) Husk Oil, Carnitine, Epigallocatechin Gallate

MECHANISM
Inhibition of Lipid Formation in the Adipocyte Cell
Lipolytic effect by converting Triacylglycerol to glycerol and fatty acid

- Helps losing fat
- Applicable to whole body
- Suitable for all kinds of body slimming formulation
### Post Professional Treatment

<table>
<thead>
<tr>
<th>SKIN CARE PROGRAM</th>
<th>CLEANSING</th>
<th>EXFOLIATING</th>
<th>SOOTHING / VITALIZING</th>
<th>TIGHTENING / WHITENING</th>
<th>INTENSIVE CARE</th>
<th>SUN PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DAILY CARE FOR</strong></td>
<td><strong>DERMAHEAL FOAMING CLEANSER</strong></td>
<td><strong>DERMAHEAL EXFOLIATING SCRUB CLEANSER</strong></td>
<td><strong>DERMAHEAL COSMECEUTICAL MASK PACK</strong></td>
<td><strong>DERMAHEAL SKIN DELIGHT MASK PACK</strong></td>
<td><strong>2 WEEKS MIRACLE REDESIGN</strong></td>
<td><strong>DERMAHEAL SUN BLOCK CREAM SPF 30</strong></td>
</tr>
<tr>
<td><strong>3 DAYS AFTER PROFESSIONAL THERAPY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>ANTI-AGING (ANTI-AGING)</strong></td>
<td><strong>(FOR DRY SKIN)</strong></td>
</tr>
<tr>
<td><strong>FROM 4TH DAY AFTER</strong></td>
<td><strong>DERMAHEAL SKIN DELIGHT MASK PACK</strong></td>
<td><strong>DERMAHEAL CLEAN PORE MASK PACK</strong></td>
<td><strong>DERMAHEAL VITALIZING MASK PACK</strong></td>
<td></td>
<td><strong>2 WEEKS MIRACLE RISE N SHINE</strong></td>
<td><strong>DERMAHEAL SUN SCREEN SPF 50+ PA+++ (FOR SENSITIVE SKIN)</strong></td>
</tr>
<tr>
<td><strong>PROFESSIONAL THERAPY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>ANTI-PIGMENTATION</strong></td>
<td></td>
</tr>
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</table>
Post Professional Treatment

<table>
<thead>
<tr>
<th>HAIR CARE PROGRAM</th>
<th>CLEANSING</th>
<th>NUTRITION</th>
<th>INTENSIVE CARE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>APPLICATION</strong></td>
<td><strong>Dermaheal Hair Conditioning Shampoo 250ml</strong></td>
<td><strong>Dermaheal Hair Nutrition Pack 150ml</strong></td>
<td><strong>Dermaheal Hair Concentrating Serum 50ml</strong></td>
</tr>
<tr>
<td>1. Hair loss, Alopecia</td>
<td>2. Dry, thin and vulnerable hair</td>
<td>3. Extremely dry and sensitive scalp</td>
<td>4. Damaged, old and weak hair</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BODY CARE PROGRAM</th>
<th>SCARS TREATMENT</th>
<th>BODY SLIMMING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BODY CARE PROGRAM</strong></td>
<td><strong>Post Laser Cream 15g</strong></td>
<td><strong>Nano Obessia Cream 1000ml</strong></td>
</tr>
<tr>
<td>Scars treatment</td>
<td>Body slimming</td>
<td></td>
</tr>
</tbody>
</table>
To enhance the effectiveness of professional care, Dermaheal suggests optimizing product line of daily skin and hair care for specific applications.

### Daily Skin Care Regimen

<table>
<thead>
<tr>
<th>Classification</th>
<th>Anti-Aging</th>
<th>Anti-Pigmentation</th>
<th>Anti-Acne</th>
<th>Anti-Hair Loss</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TONER / SOLUTION</strong></td>
<td>Dermaheal Total Care Skin Solution</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MOISTURIZER / EMULSION</strong></td>
<td>Dermaheal Hydro Balance Fluid</td>
<td>Dermaheal Skin Delight Emulsion</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SERUM / CREAM / NUTRITION</strong></td>
<td>Dermaheal Vitalizing Serum, Dermaheal Vitalizing Cream</td>
<td>Dermaheal Lighten and Brighten Serum, Dermaheal Cosmetic Anti-wrinkle Cream</td>
<td>Dermaheal DeAkni</td>
<td>Dermaheal Hair Concentrating Serum</td>
</tr>
<tr>
<td><strong>EYE CARE</strong></td>
<td>Dermaheal Vitalizing Eye Tension Gel</td>
<td>Dermaheal Cosmetic Eye Gel</td>
<td>Dermaheal Dermatis Cleanser</td>
<td></td>
</tr>
<tr>
<td><strong>SPOT CORRECTOR</strong></td>
<td>Dermaheal Skin Delight Spot Corrector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SOOTHING</strong></td>
<td>Dermaheal Vitalizing Mask Pack, Dermaheal Cosmetic Mask Pack</td>
<td>Dermaheal Skin Delight Mask Pack</td>
<td>Dermaheal Clean Pore Mask Pack</td>
<td></td>
</tr>
<tr>
<td><strong>INTENSIVE CARE</strong></td>
<td>2 Weeks Miracle Redesign</td>
<td>2 Weeks Miracle Rise N Shine</td>
<td></td>
<td>Dermaheal Hair Nutrition Pack</td>
</tr>
<tr>
<td><strong>CLEANSING</strong></td>
<td>Dermaheal Foaming Cleanser</td>
<td></td>
<td>Dermaheal Hair Conditioning Shampoo</td>
<td></td>
</tr>
<tr>
<td><strong>EXFOLIATING</strong></td>
<td>Dermaheal Exfoliating Scrub Cleanser</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>UV PROTECTION</strong></td>
<td>Dermaheal Sun Block Cream SPF 30, Dermaheal Sun Screen SPF 50+ PA+++</td>
<td></td>
<td></td>
<td>Dermaheal Eyelash Enhancer</td>
</tr>
<tr>
<td><strong>EYELASH ENHANCER</strong></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
DERMAHEAL TOTAL CARE SKIN SOLUTION 275g

Provides anti-aging, anti-pigmentation and anti-oxidation effects. Removes dirt, oil and provides the skin with a fresh and clean feeling by moisturizing effect. Keeps pH balance and makes skin ready to absorb the active ingredients fully.

Direction for Use
Apply the skin solution over your face and neck after cleansing. Tap until it is absorbed. Use every morning and night.

ACTIVE INGREDIENTS
PT Oligopeptide-34 (CG-TGP2), Oligopeptide-24 (CG-EDP3), Tripeptide-6 (CG-CTP), Copper Tripeptide-1, Adenosine, Retinyl Palmitate, Tocopheryl Acetate, Arbutin, Camellia Sinensis Leaf Extract, Scutellaria Baicalensis Root Extract, Vitis Vinifera (Grape) Seed Extract, Centella Asiatica Extract, Sodium Hyaluronate
Find skin glow with a fresh, flawless radiance. Now you can remove first signs of aging—uneven skin tone, dullness and fine dry lines. Comforts and cushions dry skin with soothing emollients and luscious texture. Guarantees genuine skin glow with a beautiful and healthy vitality.

Direction for Use
Apply a small amount of the fluid over the face and neck. Massage with fingers over your skin. Let it penetrate and proceed with the Anti-Wrinkle Cream or Skin Delight Cream. Use every morning and night.

ACTIVE INGREDIENTS
PT Oligopeptide-24 (CG-EDP3), Oligopeptide-20 (CG-IDP5), Palmitoyl Pentapeptide-3, Acetyl Decapeptide-3 (Rejuline), Copper Tripeptide-1, Panthenol, 3-o-Ethyl Ascorbic Acid, Glycyrrhiza Glabra (Licorice) Root Extract, Camellia Sinensis Leaf Extract, Betaine
Anti-Aging Care with Biomimetic Peptides

DERMAHEAL VITALIZING MASK PACK 22g
DERMAHEAL VITALIZING SERUM 40g
DERMAHEAL VITALIZING CREAM 30g
DERMAHEAL VITALIZING EYE TENSION GEL 15g
Dermaheal Vitalizing Serum 40g
Keeps your skin younger by supplying skin nutrients. Reduces and prevents wrinkles by skin cell proliferation.

DIRECTION FOR USE
Apply a small amount of the serum on face and neck. Gently tap with fingertips until it is absorbed. Follow with Dermaheal Vitalizing Cream. Use every morning and night.

ACTIVE INGREDIENTS
PT Oligopeptide-24 (CG-EDP3), Oligopeptide-20 (CG-IDP5), Palmitoyl Pentapeptide-3, Acetyl Hexapeptide-8, Acetyl Decapeptide-3 (Rejuline), Copper Tripeptide-1, Dipotassium Glycyrrhizate, Honey Extract, Glycyrrhiza Glabra (Licorice) Root Extract, Camellia Sinensis Leaf Extract

Dermaheal Vitalizing Cream 30g
Reduces fine lines and wrinkles by regenerating new skin cells and increases skin elasticity through upregulation of collagen, elastin, fibronectin and hyaluronic acid.

DIRECTION FOR USE
Apply a small amount on your face and neck. Gently massage until it is absorbed. Follow with Dermaheal Vitalizing Eye Tension Gel. Use every morning and night.

ACTIVE INGREDIENTS
PT Oligopeptide-24 (CG-EDP3), Oligopeptide-20 (CG-IDP5), Palmitoyl Pentapeptide-3, Acetyl Hexapeptide-8, Acetyl Decapeptide-3 (Rejuline), Copper Tripeptide-1, Dipotassium Glycyrrhizate, Adenosine, Betaine, Glycyrrhiza Glabra (Licorice) Root Extract, Camellia Sinensis Leaf Extract, Mangifera Indica (Mango) Seed Butter

Dermaheal Vitalizing Eye Tension Gel 15g
Slows down the visible aging signs around the eyes. Effectively reduces crow’s feet and fine lines around eye contour area.

DIRECTION FOR USE
Apply a small amount on your fingertip and gently pat around the delicate eye area until it is absorbed. Use every morning and night.

ACTIVE INGREDIENTS
PT Oligopeptide-24 (CG-EDP3), Oligopeptide-20 (CG-IDP5), Palmitoyl Pentapeptide-3, Acetyl Hexapeptide-8, Acetyl Decapeptide-3 (Rejuline), Copper Tripeptide-1, Adenosine, Panthenol, Hydrolyzed Collagen, Beta-Glucan, Glycyrrhiza Glabra (Licorice) Root Extract, Camellia Sinensis Leaf Extract, Betaine

Dermaheal Vitalizing Mask Pack 22g
Inhibits aging of skin cells and rejuvenates skin. Keeps skin radiant and velvety-soft by supplying nourishment.

DIRECTION FOR USE
Apply the mask to your clean face. Leave the mask on your face about 15–20 minutes before it begins to dry.

ACTIVE INGREDIENTS
PT Decapeptide-4 (CG-IDP2), Tripeptide-6 (CG-CTP), Oligopeptide-24 (CG-EDP3), Acetyl Decapeptide-3 (Rejuline), Copper Tripeptide-1, Sodium Hyaluronate, Panthenol, Argin, Beta-Glucan, Hydrolyzed Collagen, Hamamelis Virginiana (Witch Hazel) Water, Portulaca Oleracea Extract, Aloe Barbadensis Leaf Juice
Anti-Aging Care with Growth Factors

- **DERMAHEAL COSMECEUTICAL ANTI-WRINKLE SERUM** 40ml
- **DERMAHEAL COSMECEUTICAL ANTI-WRINKLE CREAM** 40ml
- **DERMAHEAL COSMECEUTICAL EYE CREAM** 15ml
- **DERMAHEAL COSMECEUTICAL MASK PACK** 22g
- **DERMAHEAL WRINKLE SKINCEUTICAL SERUM** 5ml × 4EA/set
Dermaheal Cosmeceutical Anti-wrinkle Serum 40ml
Maintains optimum moisture balance and keeps your skin radiant with supplying nourishment. Reduces and prevents wrinkles by generating new skin cells.

DIRECTION FOR USE
Apply a small amount of the serum on your face. Massage over face and neck with light circular motion until it is absorbed. Follow with Dermaheal Cosmeceutical Anti-wrinkle Cream. Use every morning and night.

ACTIVE INGREDIENTS
GF sh-Oligopeptide-1 (CG-EGF), sh-Oligopeptide-2 (CG-IGF1), sh-Polypeptide-1 (CG-bFGF), sh-Polypeptide-2 (CG-TRX), sh-Polypeptide-11 (CG-aFGF), Acetyl Hexapeptide-8, Palmitoyl Pentapeptide-3, Copper Tripeptide-1, Arbutin, Tocopheryl Acetate, 3-o-Ethyl Ascorbic Acid, Carnosine

Dermaheal Cosmeceutical Anti-wrinkle Cream 40ml
Visibly revives and re-energizes your skin. Reduces and prevents wrinkles by generating new skin cells and increasing skin elasticity by upregulation of collagen, elastin, fibro-nectin and hyaluronic acid.

DIRECTION FOR USE
Apply a small amount on your face and neck. Gently massage with light circular motion from inside towards outside. Use every morning and night.

ACTIVE INGREDIENTS
GF Copper Tripeptide-1, Acetyl Hexapeptide-8, Palmitoyl Pentapeptide-3, sh-Oligopeptide-1 (CG-EGF), sh-Oligopeptide-2 (CG-IGF1), sh-Polypeptide-1 (CG-bFGF), sh-Polypeptide-2 (CG-TRX), sh-Polypeptide-11 (CG-aFGF), Palmitoyl Pentapeptide-3, Copper Tripeptide-1, Adenosine, Chlorella Vulgaris Extrat, Portulaca Oleracea Extract, Tocopheryl Acetate, Sodium Hyaluronate, Betaine, Ginkgo Biloba Leaf Extract, Butyrospermum Parkii (Shea Butter) Fruit

Dermaheal Cosmeceutical Eye Cream 15ml
Slows down visible aging signs such as wrinkles and crow’s feet around eyes. Improves skin elasticity and gives you healthier and younger.

DIRECTION FOR USE
Apply a small amount around eye area and pat until it is absorbed. Use every morning and night.

ACTIVE INGREDIENTS
GF sh-Oligopeptide-1 (CG-EGF), sh-Oligopeptide-2 (CG-IGF1), sh-Polypeptide-1 (CG-bFGF), sh-Polypeptide-2 (CG-TRX), sh-Polypeptide-11 (CG-aFGF), Palmitoyl Pentapeptide-3, Copper Tripeptide-1, Adenosine, Chlorilla Vulgaris Extrait, Portulaca Oleracea Extract, Tocopherol Acetate, Sodium Hyaluronate, Betaine, Ginkgo Biloba Leaf Extract, Butyrospermum Parkii (Shea Butter) Fruit

Dermaheal Cosmeceutical Mask Pack 22g
Strong antioxidant that reduces free radicals and inhibits the aging of skin cells. Keeps skin radiant and velvety-soft by actively supplying nourishment. Increases collagen and elastin level and reduces blotchiness.

DIRECTION FOR USE
Apply the mask to your clean face. Leave the mask on your face about 15~20 minutes before it begins to dry.

ACTIVE INGREDIENTS
GF sh-Oligopeptide-1 (CG-EGF), sh-Oligopeptide-2 (CG-IGF1), sh-Polypeptide-1 (CG-bFGF), sh-Polypeptide-2 (CG-TRX), Copper Tripeptide-1, Arbutin, Aloe Barbadensis Leaf Juice, Portulaca Oleracea Extract, Hamamelis Virginiana (Witch Hazel) Water, Hydrolyzed Collagen, Beta-Glucan, Panthenol

Dermaheal Wrinkle SkinCeutical Serum
5ml×4ea/set
Contains various growth factors and peptides, which improve the appearance of wrinkles by increasing the level of collagen, elastin and other ECMs (Extra Cellular Matrix).

DIRECTION FOR USE
Apply a small amount of the serum after pH balancing with skin solution. Massage from inside towards outside according to the skin texture. Use every morning and night.

ACTIVE INGREDIENTS

CAREGEN 39
Anti-Aging Care with Growth Factors and Peptides

Anti-aging product line contains high concentration of growth factors to prevent skin aging.

**GROWTH FACTORS STIMULATE FIBROBLAST PROLIFERATION**

Cell morphology changed after 72hr incubation with CG-IDP5 in the condition of serum free medium.

**CLINICAL STUDY FOR GROWTH FACTOR ANTI-AGING CREAM**

Fine lines and wrinkles were decreased and elasticity was increased after using growth factor anti-aging cream for 8 weeks.

**GROWTH FACTORS INCREASE ECMS (EXTRA CELLULAR MATRIX)**

CG-EGF, CG-IGF1 and CG-Thymosin-ß4 showed positive regulation in elastin and fibronectin expression in fibroblast cell.
Anti-Aging Mechanism

**EPIDERMAL GROWTH FACTOR (CG-EGF) PATHWAY**

The pathway shows how Growth Factors stimulate cells and result in cell proliferation finally. It improves skin problems from cellular level by providing simultaneous action to revive and regenerate skin cells. Cell migration, inhibition of apoptosis, gene expression and cell proliferation by Growth Factors eventually increase ECMs (Extra Cellular Matrix) such as collagen, elastin, laminin, fibronectin and hyaluronic acid etc.

**Step 1** Growth Factors binding to their interacting Growth Factor receptors

**Step 2** Phosphorylation of MAPK

**Step 3** Gene transcription

**Step 4** Cell migration, Inhibition of apoptosis, Gene expression, Cell proliferation

Wrinkle depth was decreased by anti-aging cream treatment. Wrinkles were improved by anti-aging cream treatment.

**AGED SKIN**

Upon investigation of the skin tissue in histology relaxed and irregular layers were observed. Treatment of CG-bFGF induced and densed collagen layers.

**CG-bFGF Treatment**

Increased cell proliferation was observed in fibroblast cell by CG-EGF and CG-bFGF treatment. In addition, CG-EGF and CG-bFGF combination showed synergy effect compared with single ingredient treatment.
Anti-Pigmentation Care with Biomimetic Peptides

DERMAHEAL SKIN DELIGHT EMULSION 40g
DERMAHEAL SKIN DELIGHT SPOT CORRECTOR 15g
DERMAHEAL LIGHTEN AND BRIGHTEN SERUM 40ml
DERMAHEAL SKIN DELIGHT CREAM 30g
DERMAHEAL SKIN DELIGHT MASK PACK 22g
Dermaheal Lighten and Brighten Serum 40ml
Contains active ingredients to brighten pigmented areas such as age spots. Improves skin elasticity by increasing collagen and elastin. Reduces the blotchiness and makes your skin smoother and younger looking.

DIRECTION FOR USE
Apply a small amount on your face and neck. Massage over face and neck with light circular motion until it is absorbed. Use every morning and night.

ACTIVE INGREDIENTS
PT Tripeptide-6 (CG-CTP), Oligopeptide-24 (CG-EQP2), Copper Tripeptide-1, Tocopheryl Acetate, Arginine, Arbutin

Dermaheal Skin Delight Emulsion 40g
Gently soothes and moisturizes the skin leaving it soft, smooth and radiant. This ultra-lighted fluid emulsion features a unique technology to brighten your skin and soothe sensitive skin.

DIRECTION FOR USE
Apply a small amount on your face and neck. Massage over face and neck with light circular motion until it is absorbed. Follow with Dermaheal Skin Delight Cream. Use every morning and night.

ACTIVE INGREDIENTS
PT Oligopeptide-34 (CG-TGP2), Pentapeptide-13 (CG-ASP), Copper Tripeptide-1, Arbutin, Ginkgo Biloba Leaf Extract, Oryza Sativa (Rice) Bran Extract, Camellia Sinensis Leaf Extract, Glycerin, Glauber Salts, Betaine, Arbutin

Dermaheal Skin Delight Cream 30g
Dermaheal Skin Delight Cream works on your skin all day to treat dry and dull skin with nourishing moisture and lasting infusion of brightening sources.

DIRECTION FOR USE
Apply a small amount on your face and neck. Gently massage with light circular motion from inside towards outside. Use every morning and night.

ACTIVE INGREDIENTS
PT Oligopeptide-34 (CG-TGP2), Pentapeptide-13 (CG-ASP), Copper Tripeptide-1, Arbutin, Ginkgo Biloba Leaf Extract, Oryza Sativa (Rice) Bran Extract, Camellia Sinensis Leaf Extract, Glycerin, Glauber Salts, Betaine, Arbutin, Ginkgo Biloba Leaf Extract, Oryza Sativa (Rice) Bran Extract, Butyrospermum Parkii (Shea Butter), Macadamia Ternifolia Seed Oil, Sodium Hyaluronate, Mangifera Indica (Mango) Seed Butter, Tocopheryl Acetate, Dipotassium Glycyrrhizate

Dermaheal Skin Delight Spot Corrector 15g
Effectively prevents pigmentation and spots while it fades spots already visible. Skin becomes beautifully retextured with luminously even skin tone.

DIRECTION FOR USE
Apply a small amount onto your fingertip and gently pat on the pigmented area until it is absorbed. Use every morning and night.

ACTIVE INGREDIENTS
PT Oligopeptide-34 (CG-TGP2), Pentapeptide-13 (CG-ASP), Copper Tripeptide-1, Arbutin, Ginkgo Biloba Leaf Extract, Oryza Sativa (Rice) Bran Extract, Camellia Sinensis Leaf Extract, Glycerin, Glauber Salts, Betaine, Arbutin, Ginkgo Biloba Leaf Extract, Oryza Sativa (Rice) Bran Extract, Butyrospermum Parkii (Shea Butter), Macadamia Ternifolia Seed Oil, Sodium Hyaluronate, Mangifera Indica (Mango) Seed Butter, Allantoin, Caffeine

Dermaheal Skin Delight Mask Pack 22g
Replenishes dry and dull skin with anti-pigmentation effect. Brightens and makes even skin tone, using active ingredients which block the pathway of melanin synthesis.

DIRECTION FOR USE
Apply mask sheet to your clean face. Leave it on your face about 15~20 minutes before it gets dry.

ACTIVE INGREDIENTS
PT Tripeptide-6 (CG-CTP), Oligopeptide-34 (CG-TGP2), Pentapeptide-13 (CG-ASP), Copper Tripeptide-1, Arbutin, Ginkgo Biloba Leaf Extract, Oryza Sativa (Rice) Bran Extract, Camellia Sinensis Leaf Extract, Glycerin, Glauber Salts, Betaine, Arbutin, Ginkgo Biloba Leaf Extract, Oryza Sativa (Rice) Bran Extract, Butyrospermum Parkii (Shea Butter), Macadamia Ternifolia Seed Oil, Sodium Hyaluronate, Mangifera Indica (Mango) Seed Butter, Allantoin, Caffeine
Appearance of melanin is due to an increased number of pigment cells (melanocytes) or increased production of melanin.

**MELANOGENESIS VS ANTI-PIGMENTATION MECHANISM OF CG-TGP2**

1. **CG-ASP BLOCKS α-MSH BINDING TO MC1R**
   - Decrease melanin synthesis and tyrosinase activity in skin melanocyte
2. **CG-TGP2 AND CG-PURILUX INDUCE MITF DEGRADATION**
   - Decrease melanosome transferring to keratinocytes

**Inhibition of Melanosome Transfer**

Phenotypic appearance of melanosome transfer in co-cultured cell lines with melanocytes (B16F10) and keratinocyte (HacaT).

Representative morphologies of co-cultures were observed under microscopy (X 100) which was exposed for 4 days with 200 ng/ml α-MSH and 30 μg/ml CG-TGP2.
After years of research in biomimetic peptides, we have discovered many peptide candidates for anti-pigmentation and anti-inflammation.

**CG-TGP2 Inhibits Melanin Synthesis**

CG-TGP2 significantly inhibits melanin synthesis on B16F10 melanocyte.

**Morphology Comparison**

Melanosome was decreased by CG-TGP2 treatment on B16F10 melanocyte.

**CG-TGP2 Inhibits Expression of Melanogenesis Markers**

Phospho ERK1/2 were increased by treatment of CG-TGP2.

TRP1, TRP2 and MITF were decreased by treatment of CG-TGP2.

**Clinical Test of Anti-pigmentation Cream (CG-TGP2 and CG-ASP)**

Aged pigments and spots were decreased after using anti-pigmentation cream for 8 weeks.

**Colorimetric Measurement**

L value was increased after using anti-pigmentation cream for 8 weeks.

The effect of CG-TGP2 on melanogenesis.

Phospho ERK1/2 were increased by treatment of CG-TGP2. TRP1, TRP2 and MITF were decreased by treatment of CG-TGP2.

Biomimetic Peptides for Anti-Pigmentation
Intensive Care Program

2 WEEKS MIRACLE PROGRAM

1. Biomimetic peptides are the key elements for stimulating cell proliferation.
2. 2WEEKS MIRACLE contains rich fermented organic ingredients and fresh natural plant extracts giving energy to skin cells.
3. 2 WEEKS MIRACLE contains ‘NO’ parabens.
4. 2 WEEKS MIRACLE’s weekly delivery program brings optimum effect of fresh formulation.

4 FACTORS OF SKIN RESTORATION AND ANTI-PIGMENTATION

1. Biomimetic Peptide Complex
   The exceptional ingredients, biomimetic peptides complex, provide simultaneous action to revive and protect skin. By stimulating cell proliferation, biomimetic peptides complex plays major role in boosting healthy skin.

2. Fermented Organic Ingredients
   The complex of fermented organic ingredients including organic soybean and grain extract: Coix Lacryma-Jobi Ma-Yuen Seed Extract, Glycine Soja (Soybean) Seed Extract and Phaseolus Radiantus Seed Extract bring instant hydrating and anti-oxidation effect to skin cell.

3. Fresh Natural Plant Extracts
   Natural plant extracts combined with Camellia Sinensis Leaf Extract, Centella Asiatica Extract, Glycyrrhiza Uralensis (Licorice) Root Extract, Portulaca Oleracea Extract and Ginkgo Biloba Leaf Extract form a true concentrate of vitality. Everyday, they provide the skin with the energy it needs to renew and rebuild itself.

4. Double-layered Capsulation Technology
   The active ingredients of 2 WEEKS MIRACLE are double-layered capsulated to penetrate into the dermal layer.
CLINICAL TEST OF REDESIGN
Clinical Pictures of Wrinkles and Replica

Wrinkles were reduced by Redesign treatment after 14 days and 28 days. Especially skin cutaneous of crow’s feet wrinkles were decreased by Redesign treatment.
4 STEPS OF ANTI-PIGMENTATION

1st Step
Rise N Shine Miracle Solution 15ml
Corrects complexion, moisturizes and balances pH level
ACTIVE INGREDIENTS
PT Oligopeptide-34 (CG-TGP2), Tripeptide-6 (CG-CTP), Copper Tripeptide-1, Phaseolus Radiatus Seed Extract, Glycine Soja (Soybean) Seed Extract, Coix Lacryma-Jobi Ma-Yuen Seed Extract, Centella Asiatica Extract, Camellia Sinensis Leaf Extract, Glycyrrhiza Uralensis (Licorice) Root Extract, Ginkgo Biloba Leaf Extract, Betaine, Methyl Gluceth-20

2nd Step
Rise N Shine Miracle Serum 10ml
Supplies sufficient nutrients and active ingredients to inhibit melanin synthesis
ACTIVE INGREDIENTS
PT Oligopeptide-34 (CG-TGP2), Pentapeptide-13 (CG-ASP), Tripeptide-6 (CG-CTP), Copper Tripeptide-1, Phaseolus Radiatus Seed Extract, Glycine Soja (Soybean) Seed Extract, Coix Lacryma-Jobi Ma-Yuen Seed Extract, Centella Asiatica Extract, Camellia Sinensis Leaf Extract, Glycyrrhiza Uralensis (Licorice) Root Extract, Ginkgo Biloba Leaf Extract, Olea Europaea (Olive) Fruit Oil, Betaine

3rd Step
Rise N Shine Miracle Cream 10ml
Reduces dark spots and aging spots
ACTIVE INGREDIENTS
PT Oligopeptide-34 (CG-TGP2), Pentapeptide-13 (CG-ASP), Tripeptide-6 (CG-CTP), Copper Tripeptide-1, Phaseolus Radiatus Seed Extract, Glycine Soja (Soybean) Seed Extract, Coix Lacryma-Jobi Ma-Yuen Seed Extract, Centella Asiatica Extract, Camellia Sinensis Leaf Extract, Glycyrrhiza Uralensis (Licorice) Root Extract, Ginkgo Biloba Leaf Extract, Betaine, Olea Europaea (Olive) Fruit Oil, Helianthus Annuus (Sunflower) Seed Oil

4th Step
Rise N Shine Miracle Spot Corrector 5ml
Concentrated treatment in targeted spots
ACTIVE INGREDIENTS
PT Oligopeptide-34 (CG-TGP2), Pentapeptide-13 (CG-ASP), Tripeptide-6 (CG-CTP), Copper Tripeptide-1, Phaseolus Radiatus Seed Extract, Glycine Soja (Soybean) Seed Extract, Coix Lacryma-Jobi Ma-Yuen Seed Extract, Centella Asiatica Extract, Camellia Sinensis Leaf Extract, Glycyrrhiza Uralensis (Licorice) Root Extract, Ginkgo Biloba Leaf Extract, Betaine, Arbutin, Olea Europaea (Olive) Fruit Oil, Helianthus Annuus (Sunflower) Seed Oil

Pigmented spots were decreased by Rise N Shine treatment after 14 days and 28 days.
Anti-Acne and Oily Skin Care

DERMAHEAL CLEAN PORE MASK PACK 22g

Anti-Acne complex has useful effects to prevent bacterial disease. Skin texture is remodeled through epidermal cell proliferation, collagen and elastin synthesis.

DIRECTION FOR USE
Apply small amount on target area and gently pat until it is absorbed. Use every morning and night.

ACTIVE INGREDIENTS
PT Acetyl Decapeptide-3 (Rejuline), Oligopeptide-24 (CG-EDP3), Lactoferrin, Sodium Hyaluronate, Aloe Barbadensis Leaf Extract, Citrus Aurantium Dulcis (Orange) Fruit Extract, Citrus Medica Limonum (Lemon) Fruit Extract, Pyrus Malnus (Apple) Fruit Extract, Hamamelis Virginiana (Witch Hazel) Water, Camellia Oleifera Seed Oil, Allantoin, Tocopheryl Acetate, Salicylic Acid, Caffeine

Dermaheal DeAkni 10g

Anti-acne complex has useful effects to prevent bacterial disease. Skin texture is remodeled through epidermal cell proliferation, collagen and elastin synthesis.

DIRECTION FOR USE
Apply small amount on target area and gently pat until it is absorbed. Use every morning and night.

ACTIVE INGREDIENTS
PT Acetyl Decapeptide-3 (Rejuline), Oligopeptide-34 (CG-TGP2), Acetyl Decapeptide-3 (Rejuline), Copper Tripeptide-1, Lactoferrin, Pyrus Malnus (Apple) Fruit Extract, Citrus Medica Limonum (Lemon) Fruit Extract, Carica Papaya (Papaya) Fruit Extract, Aloe Barbadensis Leaf Juice, Portulaca Oleracea Extract, Hamamelis Virginiana (Witch Hazel) Water, Panthenol, Beta-Glucan, Niaciamide

Dermaheal Clean Pore Mask Pack 22g

Contains anti-acne complex with anti-bacterial and anti-inflammatory effect. Soothes your skin trouble and balances skin tone.

DIRECTION FOR USE
Cover your face with the mask after cleansing. Leave the mask on your face about 15~20 minutes before it begins to dry.

ACTIVE INGREDIENTS
Anti-Acne Mechanism

Acne occurs when the oil-secreting glands in the skin are clogged and become inflamed or infected.

What cause acne
1. Dead skin cell accumulation
2. Overactive sebaceous gland
3. Bacteria
4. Inflammation

Excess sebum clogs openings to hair follicles—especially those on the face, neck, chest, and back. Bacteria grows in these clogged follicles. It makes blackheads or whiteheads form on the skin surface, a condition called non-inflammatory acne. Sometimes the follicle wall breaks under the pressure of this buildup. When it happens, sebum leaks into nearby tissues and forms a pustule—it is called inflammatory acne. This can create cysts. Ruptured cysts leave temporary or permanent scars.

Dermaheal DeAkni
- Anti-inflammation
- Moisturizing
- Sebum Controlling
- Scar Repairing
- Anti-bacterial

HOW CAREGEN ANTI-ACNE PRODUCTS WORK

Dermaheal Exfoliating Scrub Cleanser
Exfoliates dead skin cells, opens the pores and removes excessive oil and blackheads.

Dermaheal DeAkni
Contains IgY, Lactoferrin → Anti-bacterial, Anti-inflammatory effect
Contains CG-EGF, CG-bFGF → Wound repair

Dermaheal Clean Pore Mask Pack
Soothing, Pore tightening, Anti-bacteria, Anti-inflammation, Moisturizing and Repairing

Case 1. 20yrs Male
Before
3 Weeks After
Acne skin was improved by anti-acne combination treatment.
Anti-Hair Loss / Hair Regain

Dermahel Hair Conditioning Shampoo 250ml
Cleanses hair and scalp to absorb maximum active ingredients. For synergetic effects of anti-hair loss and hair regain, use Dermahel Hair Nutrition Pack and Dermahel Hair Concentrating Serum together.

DIRECTION FOR USE
Apply to wet hair, massage scalp gently. Rinse thoroughly.

ACTIVE INGREDIENTS
PT Octapeptide-2 [Proharin-ß4], Copper Tripeptide-1, Biotin, Thuja Orientalis Extract, Polygala Tenuifolia Root Extract, Polygonum Multiflorum Root Extract

Dermahel Hair Concentrating Serum 50ml
High concentration of biomimetic peptides and other active ingredients for hair nutrition intensively care scalp and hair follicle to stop hair loss and to regain hair.

DIRECTION FOR USE
Drop the Hair Serum directly onto target area of scalp and massage scalp with fingertips for 2-3 minutes 1-2 hours before bedtime to provide sufficient time for scalp to absorb the product. Allow product to remain on scalp for at least four hours before washing hair. Hair Serum should be used on a daily basis.

ACTIVE INGREDIENTS
GF sh-Oligopeptide-2 (CG-IGF1), sh-Polypeptide-1 (CG-bFGF), sh-Polypeptide-9 (CG-VEGF), sh-Polypeptide-11 (CG-aFGF), Copper Tripeptide-1, Octapeptide-2 (Proharin-ß4), Sodium Hyaluronate, Biotin, Arginine, 3-o-Rthyl Ascorbic Acid, Polygala Tenuifolia Root Extract, Portulaca Oleracea Extract, Polygonum Multiflorum Root Extract, Thuja Orientalis Extract, Ginkgo Biloba Leaf Extract, Multi-vitamins, Amino Acids
PT Copper Tripeptide-1, Octapeptide-2, Decapeptide-4 (Acetyl Decapeptide-3 [Rejuline]), Oligopeptide-20 (CG-IDP5), Oligopeptide-41 (CG-Keramin1), Octapeptide-2 (Proharin-ß4), Copper Tripeptide-1, Limnanthes Alba (Meadowform) Seed Oil, Saccharide Isomerate, Hydroyzed Keratin, Alanine/Proline/Serine/Threonine/Arginine/Lysine/Glutamic Acid Complex, Aspartic Acid, Citrus Paradisi (Grapefruit) Fruit Extract, Citrus Junos Fruit Extract, Eucalyptus Globulus Leaf Extract, Eugenia Caryophyllus (Clove) Flower

Dermahel Hair Nutrition Pack 150ml
Provides intensive nutrition to hair and scalp with conditioning effect to stop hair loss and to regain hair.

DIRECTION FOR USE
After shampooing, apply Hair Nutrition Pack on scalp and hair and massage with light circular motion. Leave it about 3 minutes for maximum effect and rinse it all off with lukewarm water.

ACTIVE INGREDIENTS
PT Decapeptide-4 (CG-IDP2), Acetyl Decapeptide-3 [Rejuline], Oligopeptide-20 (CG-IDP5), Oligopeptide-41 (CG-Keramin1), Octapeptide-2 (Proharin-ß4), Copper Tripeptide-1, Limnanthes Alba (Meadowform) Seed Oil, Saccharide Isomerate, Hydrolyzed Keratin, Alanine/Proline/Serine/Threonine/Arginine/Lysine/Glutamic Acid Complex, Aspartic Acid, Citrus Paradisi (Grapefruit) Fruit Extract, Citrus Junos Fruit Extract, Eucalyptus Globulus Leaf Extract, Eugenia Caryophyllus (Clove) Flower
Anti-Hair Loss / Hair REGROWTH Mechanism

STOP HAIR LOSS AND HAIR REGAIN MECHANISM

1st Step:
- CG-IGF1, Copper peptide → Delay a process from Anagen to Catagen → Anti-Hair Loss

2nd Step:
- CG-IGF1, CG-bFGF, CG-VEGF, CG-TGF-α, CG-KGF, CG-HGF, Promote a process from Telogen to Anagen, New hair forming

- DHT + 5α Reductase → Inactivation
- Epithelial cell
- Basal layer (Keratinocyte)
- Mesenchymal cell
- Apocrine sweat
- Sebaceous gland
- Sebum
- Arrector pili muscle
- Root sheath cell proliferation (prolong anagen phase)
- Follicle keratinocyte proliferation
- Anti-free radicals & anti-inflammation
- Strengthen tissue elasticity & anti-dandruff
- Anchoring molecules production
- Improve blood circulation
- Dermo-epidermal interface layer (collagen IV + laminin 5)
- Sebum secretion normalization

Dermaheal HL, Dermaheal HL Gel, Dermaheal Stem C’rum HL
Dermaheal Hair Conditioning Shampoo, Dermaheal Hair Nutrition Pack, Dermaheal Hair Concentrating Serum.
Anti-Hair Loss / Hair REGROWTH Clinical Test Data

BEFORE AFTER 2 MONTHS

Sex: Male  
Age: Mid 40’s  
Protocol: Mesotherapy, Mesoroller  
1 session per week  
Product: Mesotherapy, Home care product  
Period: 2 months

BEFORE AFTER 3 MONTHS

Sex: Female  
Age: Mid 40’s  
Protocol: Mesotherapy, Mesoroller  
1 session per week  
Product: Mesotherapy, Home care product  
Period: 3 months

BEFORE AFTER 3 MONTHS

Sex: Male  
Age: Mid 40’s  
Treatment: Mesotherapy, Home care product  
Period: 3 months
Dermaheal Eyelash Enhancer 5ml

Dermaheal Eyelash Enhancer is a unique eyelash conditioner to enhance the natural beauty of your eyes. Biomimetic peptides combination promotes fuller, longer and more durable eyelashes within 3–8 weeks.

**DIRECTION FOR USE**
1. Wash your hands before applying.
2. Make sure your eye area is clean and dry.
3. Gently apply the Eyelash Enhancer to upper and under eyelashes.
4. Leave the Eyelash Enhancer on overnight while you sleep

**ACTIVE INGREDIENTS**
- PT Decapeptide-3 (Rejuline)
- Oligopeptide-42 (CG-Fibramin)
- Decapeptide-10 (CG-Keramin2)
- Hyaluronic Acid
- Biotin
- Multi-vitamins
- Amino Acids

Clinical Data for Eyelash Enhancer

**Sex** Female
**Age** 20 yrs
**Period** 8 weeks

**Sex** Female
**Age** 30 yrs
**Period** 8 weeks
Eyelash Enhancer Test Data

Cell growth assay with HacaT keratinocyte cell line after Rejuline treatment for 72hr

The enhancement of NIH3T3 fibroblast cell and HacaT keratinocyte cell proliferation was quantified by SRB assay at OD590nm. The Rejuline increased NIH3T3 fibroblast cell and HacaT keratinocyte cell proliferation in dose-dependent manner.

CG-KERAMIN2 PREVENTS AND INHIBITS HAIR CELL APOPTOSIS WHICH IS CAUSED BY ENVIRONMENTAL FACTORS SUCH AS STRESS AND UV. CG-KERAMIN2 STIMULATES ANGIOGENESIS AND HAIR CELL PROLIFERATION RESULTING IN ANTI-HAIR LOSS AND HAIR RE-GROWTH.

Cell morphology change after 72hr incubation with Rejuline (5ng/ml) in the condition of serum free media culture.

Enhancing Cell Migration of Keratinocyte
SUN Protection

Dermaheal Sun Block Cream
SPF 30 70ml
Prevents premature aging signs caused by UVA/UVB exposure. Provides excellent hydrating benefits to fight dryness and maintain optimal moisture and softness without stickiness.

DIRECTION FOR USE
Apply small amount on face and neck with light circular motion. Apply 20–30 minutes before sun exposure.

ACTIVE INGREDIENTS
GF sh-Oligopeptide-1 (CG-EGF), sh-Polypeptide-2 (CG-TRX), Copper Tripeptide-1, Titanium Dioxide, Macadamia Ternifolia Seed Oil Zinc Oxide, Macadamia Ternifolia Seed Oil, Ethylhexyl Methoxy cinnamate
PT Oligopeptide-24 (CG-EDP3), Tripeptide-6 (CG-CTP), Copper Tripeptide-1, Sophora Angustifolia Root Extract, Morus Alba Bark Extract, Portulaca Oleracea Extract, Citrus Paradisi (Grapefruit) Fruit Extract, Citrus Junos Fruit Extract, Eucalyptus Globulus Leaf Extract, Eugenia Caryophyllus (Clove) Flower Extract, Ethylhexyl Methoxy cinnamate, Titanium Dioxide, Zinc Oxide, Isoamyl T-Methoxycinnamate

Dermaheal Sun Screen
SPF 50+ PA+++ 50g
Under extreme conditions, Dermaheal Sun Screen protects your skin against UVA/UVB and prevents melanin synthesis and fine lines with CG-TGP2. Smooths on with no trace of stickiness. Even your skin tone and texture.

DIRECTION FOR USE
Apply small amount on face and neck with light circular motion. Apply 20–30 minutes before sun exposure.

ACTIVE INGREDIENTS
PT Oligopeptide-24 (CG-EDP3), Tripeptide-8 (CG-CTP), Oligopeptide-34 (CG-TGP2), Penta peptide-13 (CG-ASP), Copper Tripeptide-1, Sophora Angustifolia Root Extract, Morus Alba Bark Extract, Portulaca Oleracea Extract, Citrus Paradisi (Grapefruit) Fruit Extract, Citrus Junos Fruit Extract, Eucalyptus Globulus Leaf Extract, Eugenia Caryophyllus (Clove) Flower Extract, Ethylhexyl Methoxy cinnamate, Titanium Dioxide, Zinc Oxide, Isoamyl T-Methoxycinnamate
Cleansing & Exfoliating

**Dermaheal Exfoliating Scrub Cleanser 100ml**
Keeps your skin clear and soft with a facial scrub that gently exfoliates dead skin cells, removes excessive oil and blackheads and minimizes pores.

**DIRECTION FOR USE**
First, cleanse with Foaming Cleanser. Next, apply Exfoliating Scrub Cleanser on damp skin with circular motion to avoid eye area with fingertips. Wash off with lukewarm water. Use 2-3 times per week.

**ACTIVE INGREDIENTS**
PT Tripeptide-6 (CG-CTP), Oligopeptide-24 (CG-EDP3), Oligopeptide-34 (CG-TGP2), Protease, Carica Papaya (Papaya) Fruit Extract, Camellia Sinensis Leaf Extract, Citrus Paradisi (Grapefruit) Extract, Citrus Junos Fruit Extract, Eucalyptus Globulus Leaf Extract, Eugenia Caryophyllus (Clove) Flower Extract, Sophora Angustifolia Root Extract, Glycine Soja (Soybean) Seed Extract, Polyethylene

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**Dermaheal Foaming Cleanser 150ml**
Rich and creamy cleanser that gently lifts dirt, make-up and impurities to leave the skin feeling soft, supple and smooth. Promotes a make-up look to be vibrant and natural. Minimizes the visibility of pores and softens imperfections for a flawless appearance.

**DIRECTION FOR USE**
Rinse your face with lukewarm water. Squeeze a small amount of cleanser on your palm and work into a rich lather. Massage on face with gentle circular motions. Rinse thoroughly. Use every morning and night.

**ACTIVE INGREDIENTS**
GF Copper Tripeptide-1, sh-Polypeptide-2 (CG-TRX), Protease
PT Tripeptide-6 (CG-CTP), Copper Tripeptide-1, Portulaca Oleracea Extract
Caregen offers a wide variety of skincare and professional therapy products that are available exclusively with the unique and high quality growth factors and biomimetic peptides.

### OEM / ODM Procedure

**CUSTOMIZED PRODUCT**

1. DEVELOPMENT REQUEST
2. CONTRACT
3. SAMPLE DEVELOPMENT
4. SAMPLE TEST, EVALUATION
5. QUOTATION
6. ORDER
7. SHIPMENT 76 DAYS
8. FILLING, PACKAGING
9. QUALITY CONTROL
10. FORMULATION MANUFACTURING
11. ART DESIGN, MANUFACTURING OF SUBSIDIARY MATERIALS

**ORIGINAL PRODUCT FOR PRIVATE BRAND**

1. QUOTATION, CONTRACT
2. ORDER
3. ART DESIGN, MANUFACTURING OF SUBSIDIARY MATERIALS
4. FORMULATION MANUFACTURING
5. QUOTATION, CONTRACT
6. FILLING, PACKAGING
7. SHIPMENT 42 DAYS
<table>
<thead>
<tr>
<th>Classification</th>
<th>Formulation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTI-AGING</td>
<td>*Every existing Dermaheal products are available for OEM/ODM.</td>
<td></td>
</tr>
<tr>
<td>ANTI-PIGMENTATION</td>
<td>*Every existing Dermaheal products are available for OEM/ODM.</td>
<td></td>
</tr>
<tr>
<td>WOUND HEALING</td>
<td>Scar Repair</td>
<td>Wound healing formula, FDA Approval pending for medical device</td>
</tr>
<tr>
<td>HYDRATING</td>
<td>Serum, Day Cream, SPF 15, Night Cream</td>
<td>Hydrating, Moisturizing, Anti-aging, Hydrating, Moisturizing, Anti-aging</td>
</tr>
<tr>
<td>ANTI-HAIR LOSS</td>
<td>Anti-hair Loss Shampoo (For damaged/dyed hair)</td>
<td>Hair Shampoo with hair regain effect for damaged, perm, dyed hair</td>
</tr>
<tr>
<td>COLOR COSMETICS</td>
<td>Foundation for Anti-aging (Ivory/Natural/Fair), Foundation for Oily/ Anti-blemish (Ivory/Natural/Fair), Compact Powder (Ivory/Natural/Beige/Fair)</td>
<td>Skin cover, Blemish balm, Anti-aging, Skin cover, Blemish balm, Anti-aging, Skin cover, Blemish balm, Anti-aging, Skin cover, Blemish balm, Anti-aging</td>
</tr>
<tr>
<td>LIP CARE</td>
<td>Lip Balm, Lip Serum</td>
<td>Lip moisturizing Balm, Anti-aging, Lip moisturizing, Anti-aging, Food additives</td>
</tr>
<tr>
<td>CLEANSER</td>
<td>Oily Cleanser, Gel Cleanser (Balm)</td>
<td>Deep cleansing, Deep cleansing</td>
</tr>
<tr>
<td>BODY CARE</td>
<td>Body Essence (Balm), Neck Firming Gel, Breast Firming Gel, Body Slimming Cream</td>
<td>Anti-aging, Moisturizing, Hand &amp; Body Care, Anti-aging, Reducing Fine lines, Size up and Lifting, Fat burning, Anti-cellulite, Body moisturizing</td>
</tr>
<tr>
<td>Description</td>
<td>Product Name</td>
<td>Volume</td>
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<tr>
<td>--------------------------------------</td>
<td>--------------------------------------------------</td>
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</tr>
<tr>
<td>PROFESSIONAL THERAPY</td>
<td>Stem C'rum (Anti-aging, Anti-pigmentation)</td>
<td>6ml x 6pairs/set</td>
</tr>
<tr>
<td></td>
<td>Stem C’rum SR (Anti-wrinkle, Skin Rejuvenation)</td>
<td>5ml x 5pairs/set</td>
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<tr>
<td></td>
<td>Stem C’rum HL (Anti-hair Loss, Hair Regain)</td>
<td>5ml x 5pairs/set</td>
</tr>
<tr>
<td></td>
<td>SR (Skin Rejuvenating)</td>
<td>5ml x 10vials/set</td>
</tr>
<tr>
<td></td>
<td>SB (Skin Brightening)</td>
<td>5ml x 10vials/set</td>
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<tr>
<td></td>
<td>HSR (1% Hyaluronic Skin Rejuvenating)</td>
<td>5ml x 10vials/set</td>
</tr>
<tr>
<td></td>
<td>HL (Anti-hair Loss, Hair Regain)</td>
<td>5ml x 10vials/set</td>
</tr>
<tr>
<td></td>
<td>LL (Anti-cellulite, Lipolysis)</td>
<td>5ml x 10vials/set</td>
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<tr>
<td>M. BOOSTER PRODUCTS</td>
<td>M.Booster Face</td>
<td>100mg x 1vial</td>
</tr>
<tr>
<td></td>
<td>M.Booster Hair</td>
<td>100mg x 1vial</td>
</tr>
<tr>
<td></td>
<td>M.Booster Body</td>
<td>100mg x 1vial</td>
</tr>
<tr>
<td>NO-NEEDLE MESOTHERAPY</td>
<td>Ultra Galva FAA</td>
<td>5ml x 10vials/set</td>
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<tr>
<td></td>
<td>Ultra Galva AA</td>
<td>5ml x 10vials/set</td>
</tr>
<tr>
<td></td>
<td>Ultra Galva SL</td>
<td>5ml x 10vials/set</td>
</tr>
<tr>
<td></td>
<td>Ultra Galva HL</td>
<td>5ml x 10vials/set</td>
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<tr>
<td></td>
<td>Ultra Galva AC</td>
<td>5ml x 10vials/set</td>
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<tr>
<td>NO-NEEDLE MESOTHERAPY</td>
<td>FAA Gel (Facial Anti-aging)</td>
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<td>SL Gel (Skin Lightening)</td>
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<tr>
<td></td>
<td>AA Gel (Anti-acne)</td>
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<tr>
<td></td>
<td>DC Gel (De-dark Circle)</td>
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</tr>
<tr>
<td></td>
<td>HL Gel (Anti-hair Loss, Hair Regain)</td>
<td>30 ml</td>
</tr>
<tr>
<td></td>
<td>AC Gel (Anti-cellulite, Lipolysis)</td>
<td>30 ml</td>
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<tr>
<td></td>
<td>SM Gel (Anti-stretch Mark)</td>
<td>30 ml</td>
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<tr>
<td>REPAIR</td>
<td>Post Laser Cream</td>
<td>15 g</td>
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<tr>
<td>SLIMMING</td>
<td>Dermaheal Nano Obessia Cream</td>
<td>1000 ml</td>
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#### HOME CARE

<table>
<thead>
<tr>
<th>Description</th>
<th>Product Name</th>
<th>Volume</th>
<th>Page</th>
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<tbody>
<tr>
<td><strong>MULTIFUNCTION TONER</strong></td>
<td>Total Care Skin Solution</td>
<td>275ml</td>
<td>p. 34</td>
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<tr>
<td></td>
<td>Hydro Balance Fluid</td>
<td>50 g</td>
<td>p. 35</td>
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<tr>
<td><strong>ANTI-AGING HOME CARE</strong></td>
<td>Vitalizing Serum</td>
<td>40 g</td>
<td>p. 36</td>
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<tr>
<td></td>
<td>Vitalizing Cream</td>
<td>30 g</td>
<td>p. 36</td>
</tr>
<tr>
<td></td>
<td>Vitalizing Eye Tension Gel</td>
<td>15 g</td>
<td>p. 36</td>
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<tr>
<td></td>
<td>Vitalizing Mask Pack</td>
<td>22 g</td>
<td>p. 36</td>
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<tr>
<td></td>
<td>Cosmeceutical Anti-wrinkle Serum</td>
<td>40 ml</td>
<td>p. 38</td>
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<tr>
<td></td>
<td>Cosmeceutical Anti-wrinkle Cream</td>
<td>40 ml</td>
<td>p. 38</td>
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<td></td>
<td>Cosmeceutical Eye Cream</td>
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<td>p. 38</td>
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<td>Wrinkle Skinceutical Serum</td>
<td>5mlx4ea/set</td>
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<td></td>
<td>Cosmeceutical Mask Pack</td>
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<tr>
<td><strong>ANTI-PIGMENTATION HOME CARE</strong></td>
<td>Lighten and Brighten Serum</td>
<td>40 ml</td>
<td>p. 42</td>
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<tr>
<td></td>
<td>Skin Delight Emulsion</td>
<td>40 ml</td>
<td>p. 42</td>
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<tr>
<td></td>
<td>Skin Delight Cream</td>
<td>30 ml</td>
<td>p. 42</td>
</tr>
<tr>
<td></td>
<td>Skin Delight Spot Corrector</td>
<td>15 ml</td>
<td>p. 42</td>
</tr>
<tr>
<td></td>
<td>Skin Delight Mask Pack</td>
<td>22 g</td>
<td>p. 42</td>
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<tr>
<td><strong>PROFESSIONAL HOME CARE PROGRAM</strong></td>
<td>2 Weeks Miracle Redesign (Anti-aging)</td>
<td>4 bottles/set</td>
<td>p. 46</td>
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<tr>
<td></td>
<td>2 Weeks Miracle Rise n Shine (Anti-pigmentation)</td>
<td>4 bottles/set</td>
<td>p. 46</td>
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<tr>
<td><strong>ANTI-ACNE AND OILY SKIN CARE</strong></td>
<td>DeAkni</td>
<td>10 g</td>
<td>p. 49</td>
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<tr>
<td></td>
<td>Clean Pore Mask Pack</td>
<td>22 g</td>
<td>p. 49</td>
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<tr>
<td><strong>ANTI-HAIR LOSS, HAIR REGAIN</strong></td>
<td>Hair Conditioning Shampoo</td>
<td>250 ml</td>
<td>p. 51</td>
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<td></td>
<td>Hair Nutrition Pack</td>
<td>150 ml</td>
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<tr>
<td></td>
<td>Hair Concentrating Serum</td>
<td>50 ml</td>
<td>p. 51</td>
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<tr>
<td></td>
<td>Eyelash Enhancer</td>
<td>5ml</td>
<td>p. 54</td>
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<tr>
<td><strong>SUN PROTECTION</strong></td>
<td>Sun Block Cream SPF 30</td>
<td>70 ml</td>
<td>p. 56</td>
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<tr>
<td></td>
<td>Sun Screen SPF 50 PA+++</td>
<td>50 ml</td>
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<tr>
<td><strong>CLEANSING &amp; PEELING</strong></td>
<td>Foaming Cleanser</td>
<td>150 ml</td>
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<tr>
<td></td>
<td>Exfoliating Cleanser</td>
<td>100 ml</td>
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</tbody>
</table>
Caregen Catalog List

Dermahael Home Care

Galvanic Treatment

Booster Products

Dermahael Meso (CE)

Hair Revitalizing System

RENOKIN lash lash

Raw Material