



EXO-GROW COLLECTION™
from Dp Dermaceuticals™

The anti-ageing answer to hair care



Dermapenworld™



A Revolutionary Bioscience Defence Against Hair Loss

WORLD'S #1
MICRONEEDLING
COMPANY

Dermapenworld™

Our clinically proven hair care collection harnesses the latest K-Beauty bioscience to help improve the appearance of hair loss. It goes beyond the individual strands to nourish the scalp and follicles, reduce inflammation, and improve hair thickness.¹



EXO-GROW COMPLEXA™

Proprietary blend of proteins, peptides, and ceramides within a patented bioscience formula.



NO TOXIC CHEMICALS

No parabens, phthalates, silicones, formaldehyde, or sulphates.



CRUELTY-FREE TESTING

Not tested on animals.



DERMATOLOGIST TESTED

Exclusively developed with bioscience experts. Tested and approved by clinicians and dermatologists.



MICRONEEDLING COMPATITBLE

Endorsed protocols from the World's Number 1 Microneedling Company for hair restoration.

Clinically Proven to Improve Hair Density & Appearance²



BEFORE



AFTER

4x Dermapen Treatments™ with MG-EXO-GROW™ (3 weeks apart).
Homecare including EXO-GROW TONIC™ post 12 weeks.



BEFORE



AFTER

1x Dermapen Treatment with MG-EXO-GROW.
Homecare including EXO-GROW TONIC post 4 weeks.

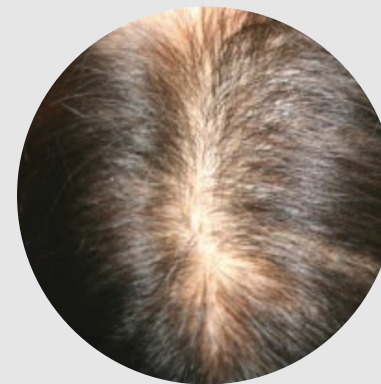


BEFORE



AFTER

3x Treatment with MG-EXO-GROW (2 weeks apart).
Homecare including EXO-GROW TONIC post 8 weeks.

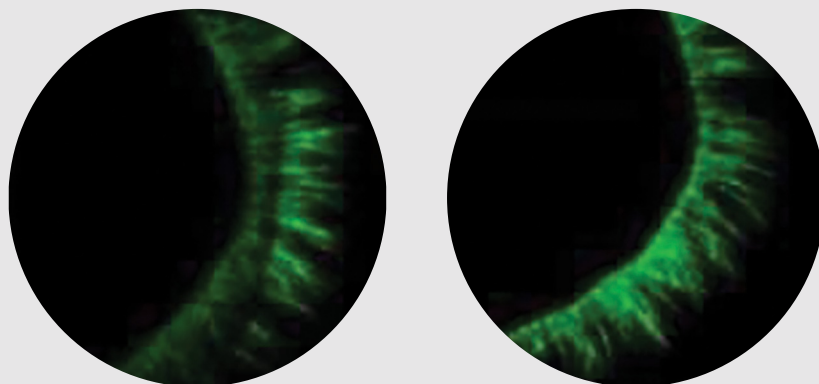


BEFORE



AFTER

2x Dermapen Treatments with MG-EXO-GROW.
Homecare including EXO-GROW TONIC post 4 weeks.



BEFORE

AFTER

61% Eyelash improvement after 4 weeks.



BEFORE

AFTER

EXO-GROW™ Homecare results after 6 weeks:
AI Scanner showing increase in hair count and thickness.

160%

MORE EFFECTIVE
THAN MINOXIDIL®³

61%

LASH ENHANCEMENT
IN 4 WEEKS!⁴

0%

INTERNATIONAL SKIN
IRRITATION INDEX⁵

20X

MORE POTENT
THAN OTHER MSCS*
CONDITIONED MEDIA⁶

*Mesenchymal Stem Cells (MSC)



DID YOU KNOW?

Exosomes typically range in size from 30 to 150 nm in diameter (1000 times smaller than skin pores), enabling fast and effective penetration.

Not all Exosomes are equal; the body discards many as waste. Our patented proprietary filtration process ensures that only the correct and beneficial Exosomes are used in our hair or skin regeneration products.

Our Patented ComplexAs



EXOSOMES

Exosomes, also known as extracellular vesicles (EVs), are a double-lipid wrapped structure containing a powerful cocktail of Polypeptides, Growth Factors, Amino Acids, Coenzymes, Ceramide ComplexA, Vitamins and Minerals. Dp Dermaceuticals™ Exosomes contain over 3000 kinds of protein complexes and growth factors. These Exosomes act as messengers to signal cellular rejuvenation to improve the visible appearance of a wide range of concerns, including thinning hair.⁷

Dp Dermaceuticals Exosome core technology is based on the youngest, most potent, and safest human-compatible source with a patented IMMUNE TOLERANT “HLA-G COMPLEXA™” (IT-HLA-G-EXO) Exosome⁸ molecule. It’s clinically proven to promote an effect that prevents immunity to Exosome therapy over time, ensuring results cannot plateau. The more exposure through topical application and in-clinic procedures, the better the results continue, delivering a cumulative effect.⁹

Thanks to the new K-Beauty bioscience’s patented technology, we can now create synthetic Exosomes through a biomimetic process. These synthetic Exosomes emulate the signaling qualities and capabilities of Human Amniotic Fluid Mesenchymal Stem Cell Exosomes, enhanced with IMMUNE TOLERANT capabilities, not only mimicking the original source but also enhancing its properties.

BENEFITS:

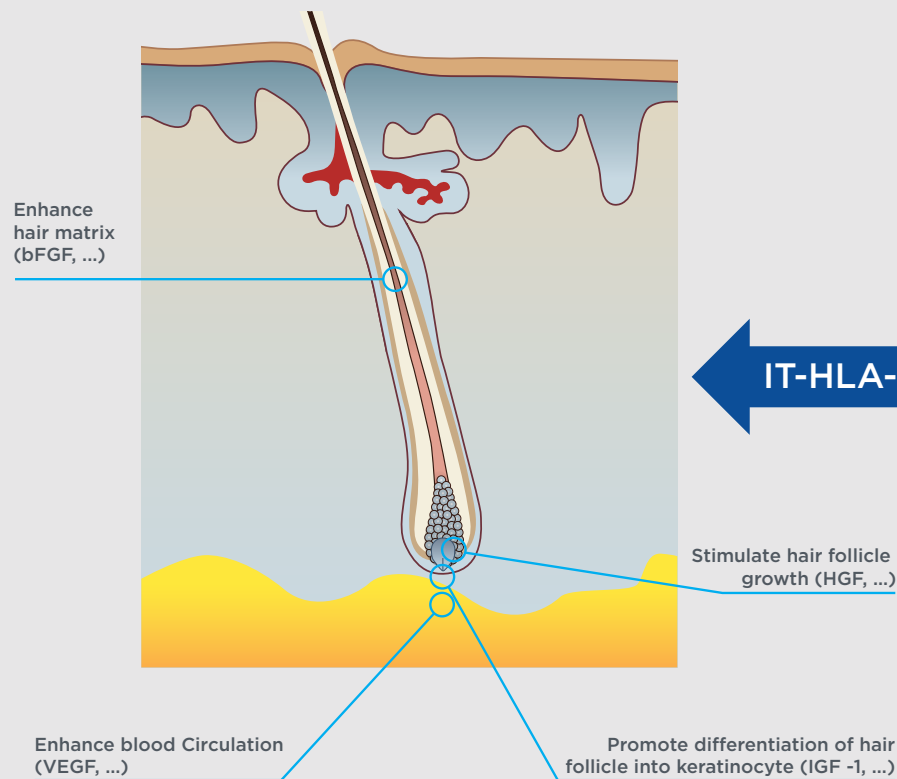
- ✓ Boosts cellular rejuvenation to improve scalp and hair condition¹⁰
- ✓ Therapeutic benefits accumulate over time with extended use
- ✓ Derived from the youngest, most potent and safest source
- ✓ Doesn’t use animal derivatives¹¹
- ✓ Clinically proven higher performance than Minoxidil® (the current industry standard)¹²



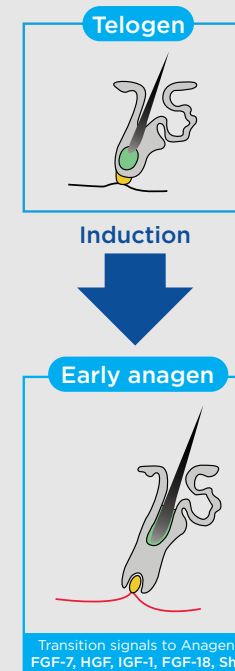


Dp Dermaceuticals HLA-G COMPLEXA™ Exosomes Preclinical Efficacy Test for Hair Regrowth and Anti-Hair Loss - Higher Performance than Minoxidil® by topical application.

Promoting Growth of HFDPCs



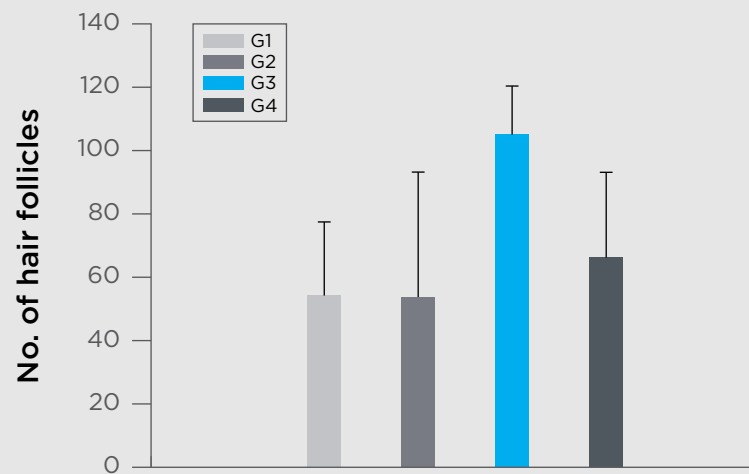
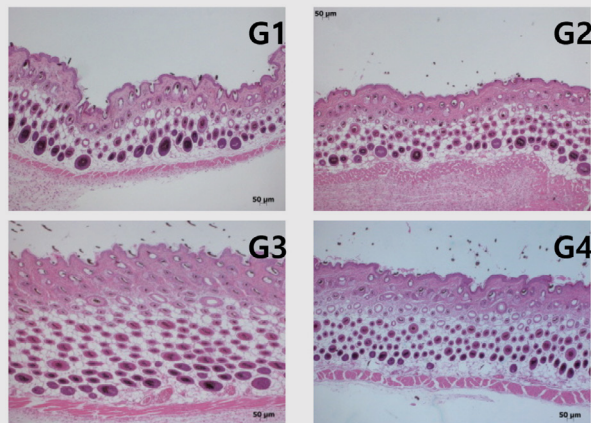
Inducing hair cycle from Telogen to Anagen



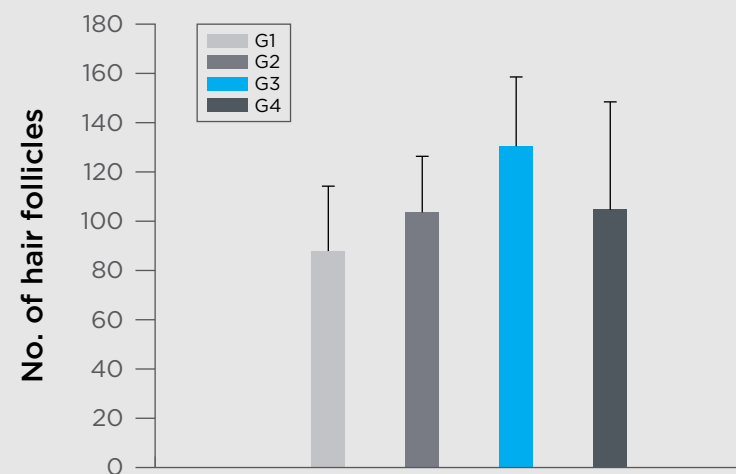
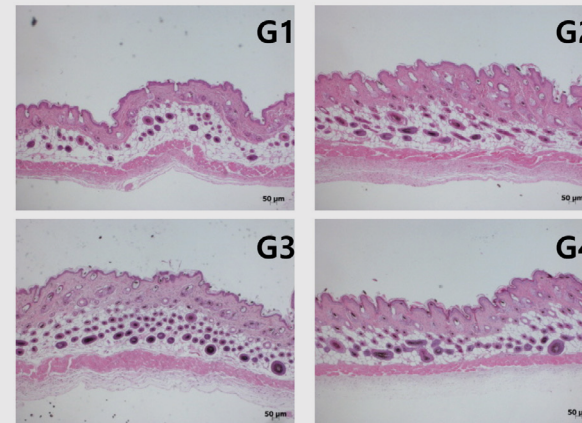
Protein	Concentration (ng/ml)	Functions
WNT-1	2.39	Essential for HFDPC Initiation
WNT-5A	2.08	Essential for HFDPC Proliferation
WNT-10B	2.37	Essential for HFDPC Development
Notch-1	2.40	Play an important role in HFDPC development and differentiation and induce Anagen from Telogen
Notch-2	6.86	
β-Catenin	3.48	WNT/β-Catenin signaling plays an important role in the maintenance and proliferation of hair follicle stem cells

Enhancing secretion of Human Proteins and Signal Transcription Factor for HFDPC Genesis and Development IT-HLA-G-EXO

Efficacy of Boosting Hair Growth



Efficacy of Suppressing Hair Loss



G1 : Control | G2 : Placebo (Hair Grow Control W/O EVs) | G3 : IT-HLA-G-EXO EXO-GROW (Hair) Control | G4 : 5% Minoxidil¹¹



POTENCY OF DP DERMACEUTICALS IMMUNE TOLERANT HLA-G EXOSOMES IN COMPARISON TO TYPICAL MSC

Main Components in IT-HLA-G-EXO for Skin and Hair Regeneration¹³

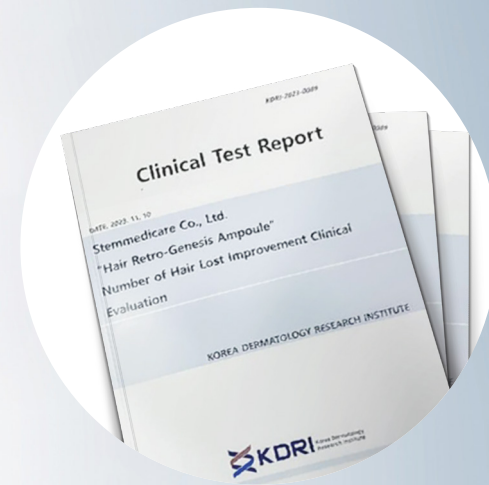
Human Growth Factor	Typical MSC-CM using FBS (pg/ml)	IT-HLA-G-EXO (pg/ml)	Physiological Functions
AR	0.0	313.3	Increased differentiation of fibroblast
bFGF	0.0	101.8	Increased differentiation and migration of fibroblast, wound healing
EGF	0.0	96.8	Epidermal growth factor
EGF R	112.0	1345.6	Epidermal growth factor receptor
FGF-4	131.0	3570.4	Increased differentiation and migration of fibroblast
FGF-7 (KGF)	5.0	1526.2	Keratinocyte growth factor proliferation and differentiation of keratinocyte
HGF	7.0	2376.7	Increased proliferation and migration of fibroblast induction of epithelial morphogenesis
IGF-1	85	917.7	Increased proliferation and survival of fibroblast
SCF (stem cell factor)	0.0	103.4	Maintenance of stem cell's stemness increased proliferation and survival of fibroblast
TGFb1	0.0	14637.8	Wound healing by increased collagen synthesis
TGFb3	0.0	274.1	Wound healing by controlling migration of epithelial
VEGF	116.0	6097.1	Increased angiogenesis

WHAT IS UNIQUE ABOUT DP DERMACEUTICALS™ EXOSOMES?

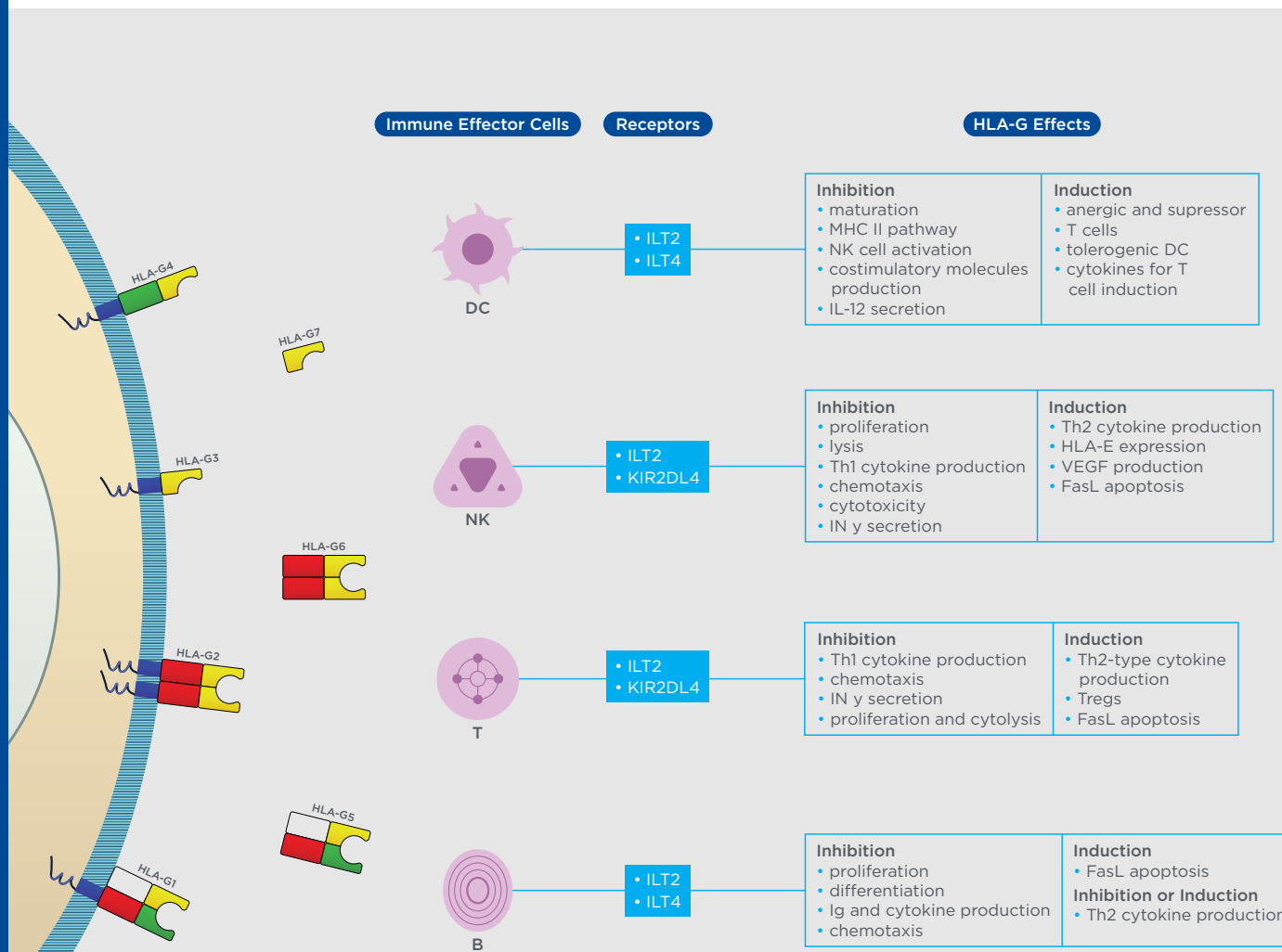
Patented IMMUNE TOLERANT HLA-G COMPLEXA™

Dp Dermaceuticals EXOSOME core technology is based on the youngest, most potent, and safest human-compatible source with a patented IMMUNE TOLERANT “HLA-G COMPLEXA™” Exosome molecule.

It's clinically proven to promote an effect that prevents immunity to Exosome therapy over time, ensuring results cannot plateau. The more exposure through topical application and in-clinic procedures, the better the results continue, delivering a cumulative effect^{14,15}



PATENTED IMMUNE TOLERANT HLA-G COMPLEXA™ 16



KEY FINDINGS:

- ✓ Does not bind TCR (T cell receptor) of T cells
- ✓ Does not bind BCR (B cell receptor) of B cells
- ✓ Does not bind MHC-I/II of APCs (Dendritic cells, Macrophage, Monocytes)
- ✓ Does not produce EV-specific antibodies
- ✓ Does not activate EV-specific adaptive immune reactions by cytotoxic T cells & B cells
- ✓ Patented x7 HLA-G ComplexA
- ✓ Does not induce Immune Reaction

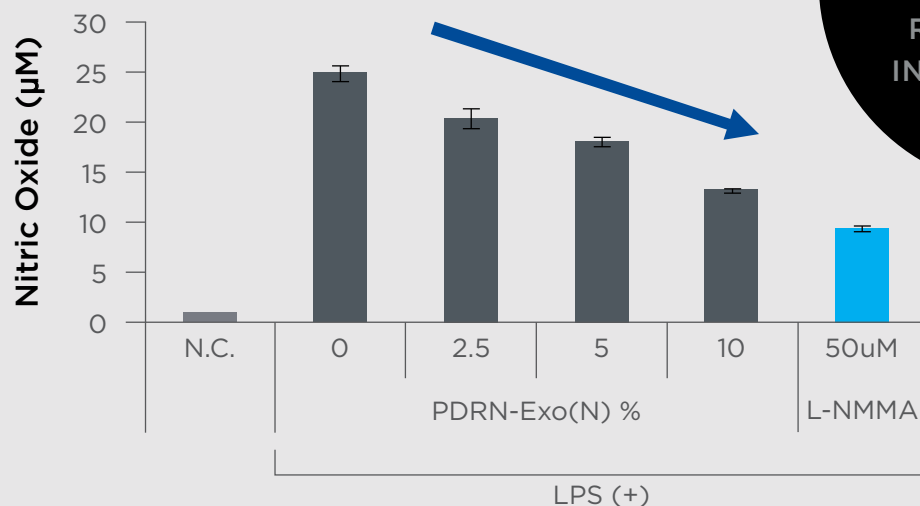


EXO-GROW™ COMPLEXA PDRN POLYNUCLEOTIDES

Exo-Grow ComplexA PDRN is derived from salmon and has been shown to stimulate hair follicles, improve blood circulation, and aid in the growth and thickness of hair. This powerhouse ingredient has also been clinically proven to alleviate scalp inflammation, which is a cause of hair loss.

By recombining the Marine Complex PDRN into Immune Tolerant Exosomes, the benefits of PDRN are further amplified. This is known as PDRN Exosome Technology.

Exo-Grow ComplexA PDRN Polynucleotides



BENEFITS:

- ✓ Stimulates hair follicles
- ✓ Clinically proven to boost blood circulation
- ✓ Aids in the improved density and thickening of hair
- ✓ Helps alleviate scalp inflammation, which is a cause of hair loss

DID YOU KNOW?

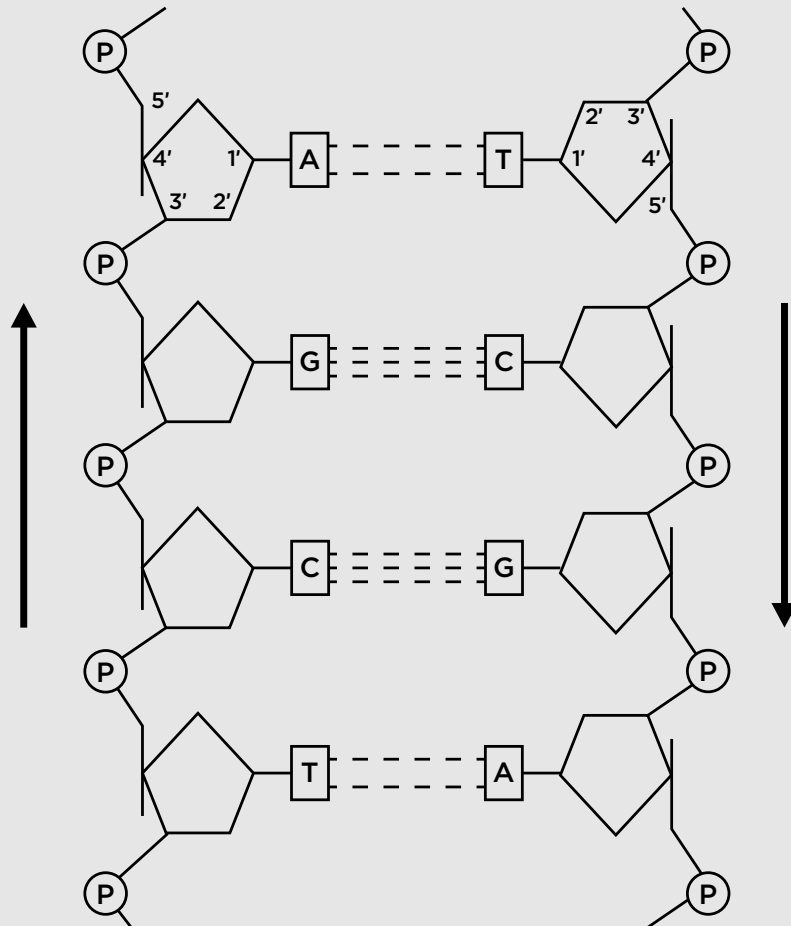
PDRN Polynucleotides have been shown to offer antioxidant, anti-inflammatory and wound-healing benefits, promote angiogenesis and collagen synthesis, enhance cellular activity, improve barrier function and aid in skin and hair regeneration.¹⁸

Our Patented ComplexAs



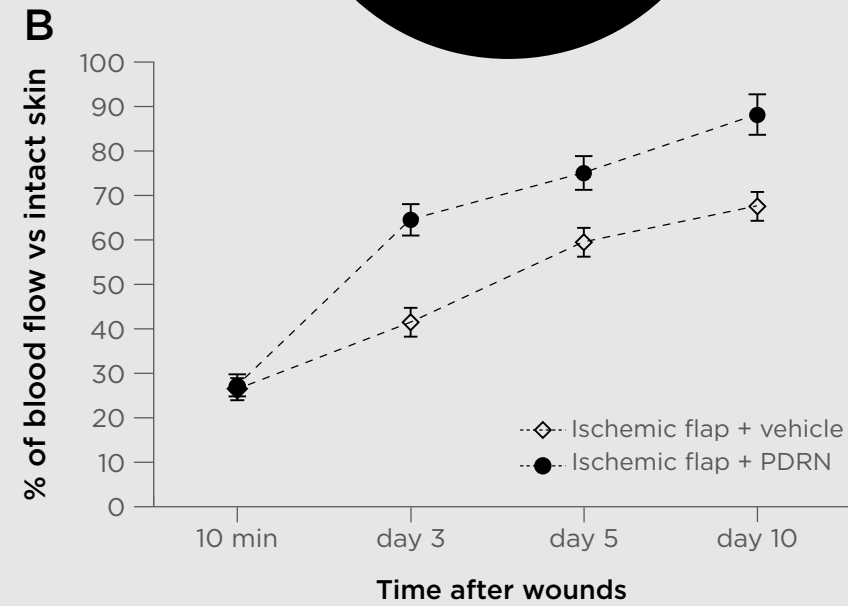
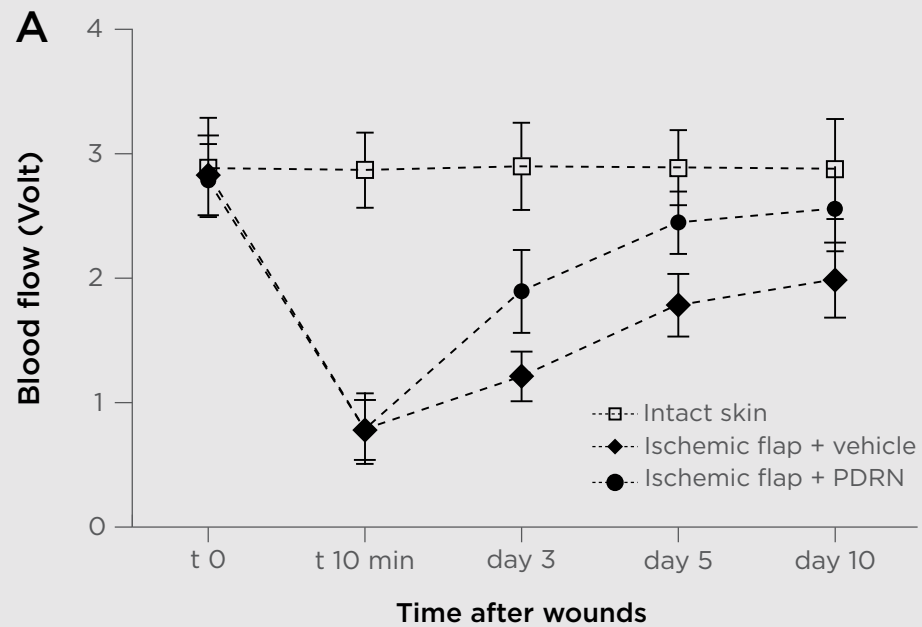
EXO-GROW™ COMPLEXA PDRN POLYNUCLEOTIDES

Chemical Structure of PDRN

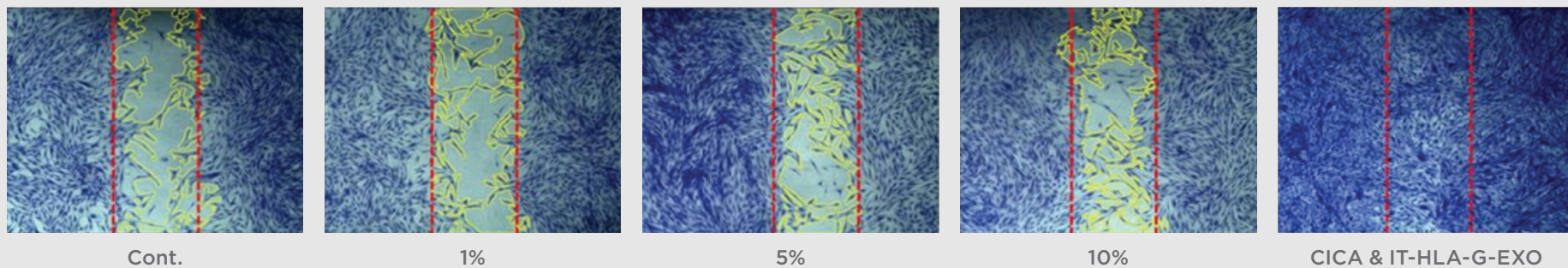


3
MONTH
INCREASE IN
HAIR COUNT

Polydeoxyribonucleotide Restores Blood Flow¹⁹



Wound Healing assay



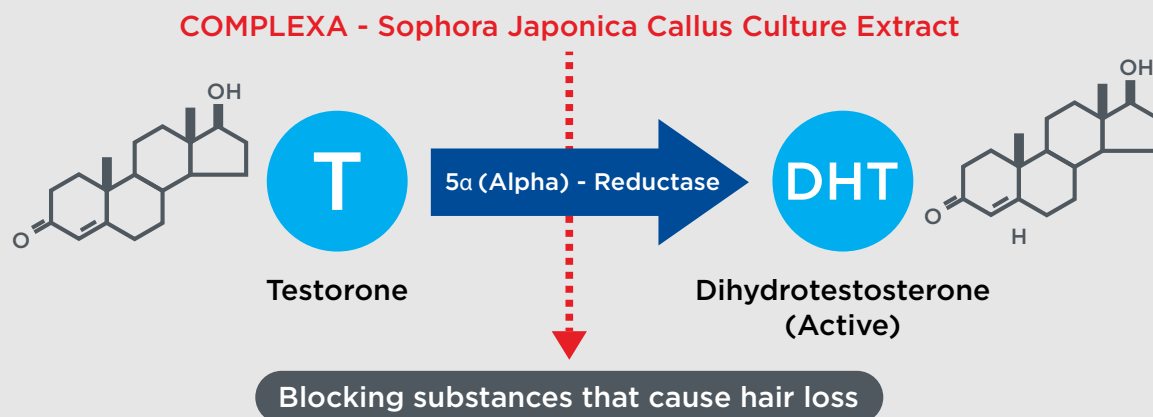
82%
IMPROVEMENT IN
WOUND HEALING*
*In vitro testing



SAPHORA JAPONICA

Dihydrotestosterone (DHT) is a hormone. Specifically, it's an androgen that stimulates the development of male characteristics. When hair follicles experience increased DHT activity it's thought to contribute to male pattern baldness in two ways. First, by shrinking hair follicles so hair becomes thinner and weaker, causing it to break more easily. Secondly, by shortening the hair growth cycle leading to excessive shedding and thinning.²⁰

Sophora Japonica (also known as Japanese Pagoda Tree) stem cells have been shown to inhibit the activity of 5 Alpha Reductase, which leads to reduced production of Dihydrotestosterone to cosmetically improve the appearance of hair loss.



BENEFITS:

- ✓ Shown to help prevent hair loss
- ✓ Shown to help prevent hair follicle shrinkage
- ✓ Supports ideal follicle condition for thicker, denser hair
- ✓ Assists longer hair growth cycle to help reduce shedding

DID YOU KNOW?

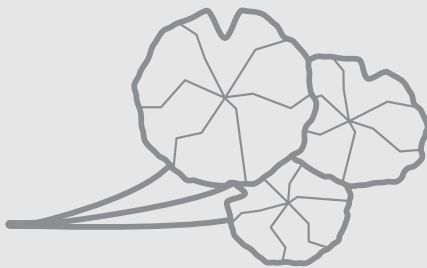
Disruption to hair growth cycles can lead to hair loss. Saphora Japonica helps restore balance to minimise thinning and fall.



CICA EXOSOMES

A revitalised scalp is crucial in preventing the signs of hair loss and promoting thicker, denser strands. CICA Exosomes are microscopic particles from the Centella Asiatica plant that offer powerful anti-inflammatory, hydration and skin regeneration properties. The result is an optimal scalp environment to support thicker hair from root to tip.

Elevated from standard plant stem cells with Advanced Exosome Technology



Centella Asiatica leaf 'CICA'



Advanced technology
'Exosome'

37.8%

WOUND-AREA
REDUCTION

BENEFITS:

- ✓ Offers an anti-inflammatory effect for revitalised scalp condition
- ✓ Helps promote wound healing
- ✓ Aids in cell proliferation²¹
- ✓ Improves scalp moisture content

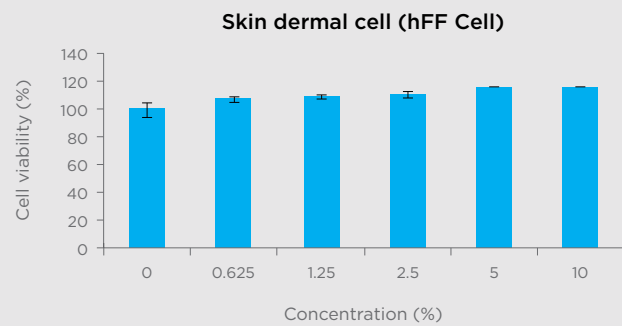
DID YOU KNOW?

In India, it's called 'Tiger Herb' because it's said that tigers rub against Centella Asiatica to heal any wound.



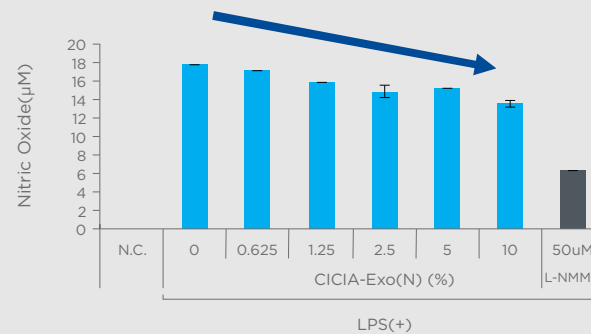
CICA EXOSOMES

A. Cytotoxicity



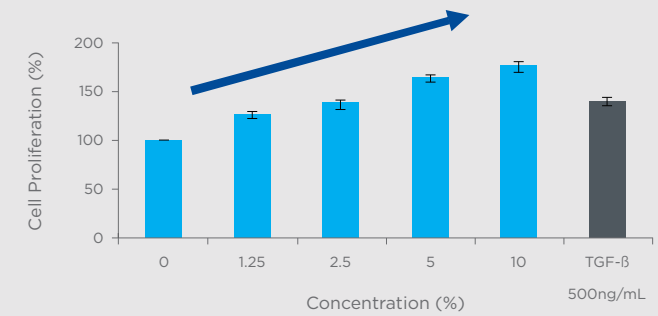
No Cytotoxicity Detected.

B. Anti-inflammatory



23.45% reduction.

C. Cell proliferation



75.99% increase.





POLYGONUM MULTIFLORUM ROOT WATER

This hair-boosting liquid contains the beneficial components extracted from the Polygonum Multiflorum Root by a steam distillation process. Many hair products require a high percentage of inactive water as an ingredient to create a usable consistency. Replacing some of that water with an active liquid like Polygonum Multiflorum Root Water (Hasuo) maintains the pleasant consistency but amplifies the efficacy of the EXO-GROW Collection™.

The anagen phase of hair growth is the active growth phase when hair follicles produce new hair. Polygonum Multiflorum Root Water has been shown to help extend this phase to promote hair density and reduce the visible signs of hair loss. It also has been shown to suppress the effect of androgens in cultured human dermal papilla cells. These cells are found in the hair follicle and are thought to be responsible for hair growth and nourishment.

Polygonum Multiflorum Root (Hasuo) within the EXO-GROW ComplexA has been shown to be a beneficial component in hair growth treatments, offering a natural alternative to conventional hair growth products or drugs.

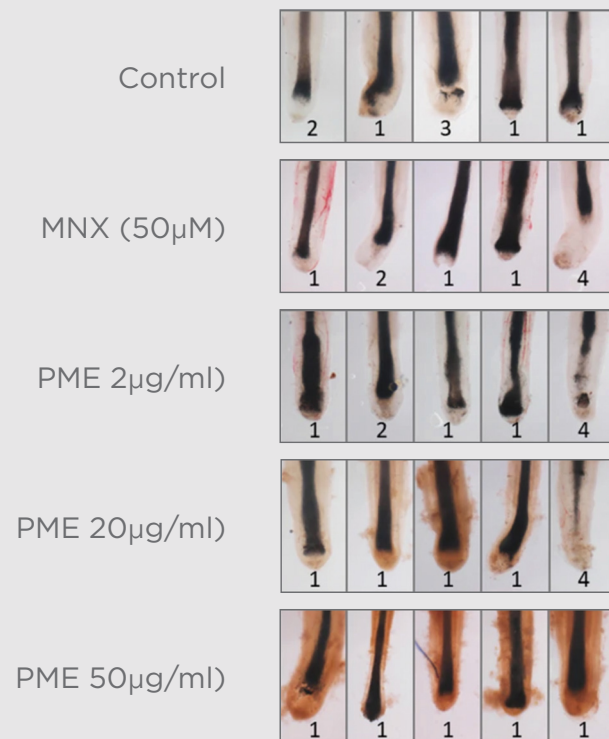
BENEFITS:

- ✓ Supports hair density by elongating anagen phase of hair cycle
- ✓ Shown to support hair follicle function
- ✓ Increases the active potency by replacing “inactive” water content
- ✓ Helps create a pleasant consistency for even and effective application
- ✓ Shown to induce melanin synthesis to help improve greying hair

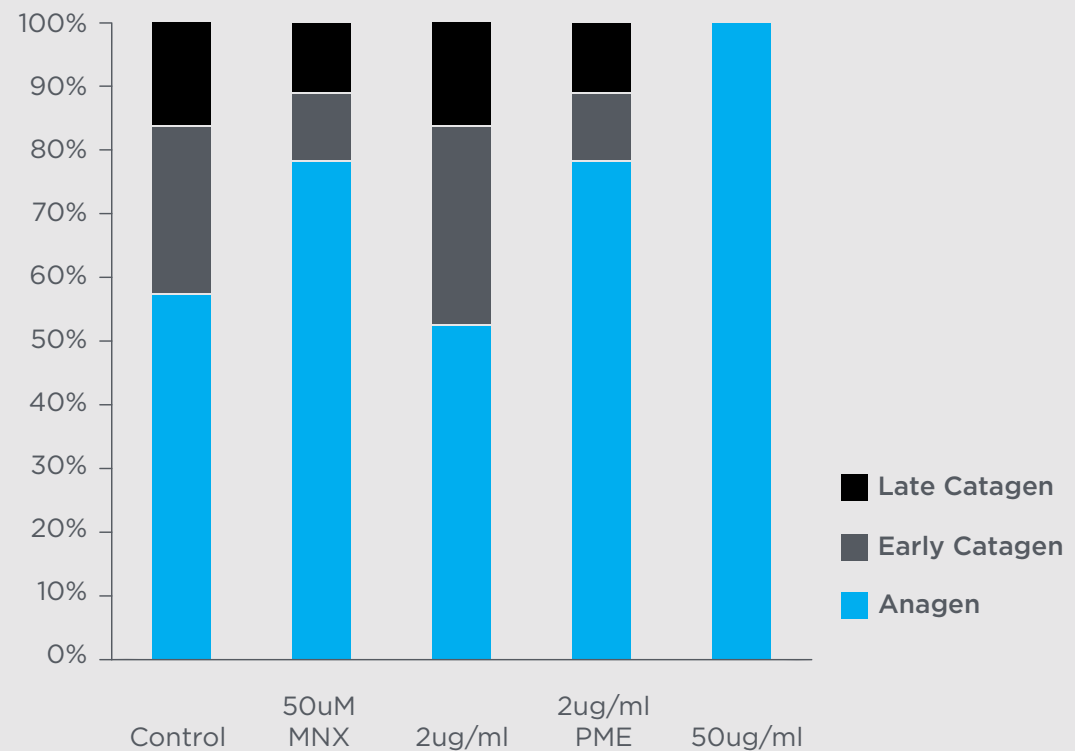
DID YOU KNOW?

Polygonum Multiflorum Root Water has been shown to out-perform hair loss drug Minoxidil in elongating the anagen hair phase.²²

A



B



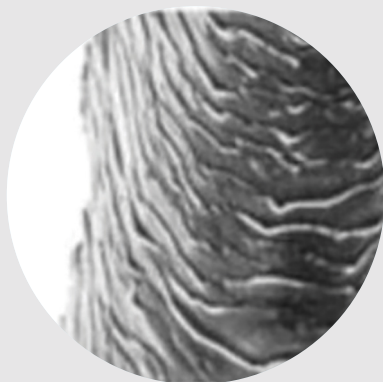
Effect of Polygonum Multiflorus Root Water on anagen elongation and catagen entry in human hair follicle organ culture model. Human hair follicles (20 hair follicles/group) were treated with 2 µg/ml, 20 µg/ml, and 50 µg/ml, of Polygonum Multiflorum extract and 50 µM of minoxidil. After 6 days of incubation, hair follicle morphology was assessed following hair cycle scoring criteria. A: Representative images of hair follicles for each experimental group. B: Calculated ratio of anagen, early catagen, late catagen.



CERAMIDE COMPLEXA

Ceramides, one of the three naturally occurring lipids found in the hair's cuticle, serve as a binding agent to maintain the integrity of the cuticle layer. Not only do strands appear smooth and glossy when the cuticle layer is flattened, it also enhances resilience against daily wear and tear.

Additionally, ceramides play a crucial role in promoting elasticity, retaining moisture, and strengthening the hair. For chemically treated hair—whether coloured, bleached, or relaxed—ceramides offer significant benefits by reducing hair loss, fragility, breakage, and frizz caused by exposure to high heat.



NORMAL HAIR CUTICLE



DAMAGED HAIR CUTICLE

Ceramides are one of 3 naturally occurring lipids aka fatty material found in the hair's cuticle. Not to be confused with Sebum which is found on the surface of the cuticle, ceramide's function in the cuticle is to act as a binder to keep the cuticle layer in place.

BENEFITS:

- ✓ **Maintain moisture in hair**
- ✓ **Restores hair lustre and softness, making hair much smoother**
- ✓ **Improves elasticity and porosity**
- ✓ **Reduces hair loss, hair fragility, hair breakage and frizz due to strong heat**

DID YOU KNOW?

Instead of using just one ceramide, our Ceramide ComplexA is an exceptional combination of four powerhouse ceramides: Ceramide NS, Ceramide AP, Ceramide AS and Ceramide EOP.

Ceramides help strands stay elastic, hydrated, and strong.



COMPLEXA OF 17 AMINO ACIDS

Amino Acids account for a large percentage of the chemical structure of hair — they are nutrient powerhouses that play an important role in hair development.²³ However, chemical reactions — caused by damage from colouring, heat treatments, hair straightening, sun exposure, or other environmental factors — can deplete proteins and Amino Acids in the hair. Studies have shown that topical application of Amino Acids can help promote greater hair condition, strength and integrity.

Amino Acids help hair maintain its shape and volume. When applied directly to the hair, it can have a direct impact on increasing hair elasticity and volume.²⁴

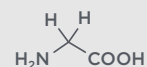
BENEFITS:

- ✓ **Make up a large percentage of chemical structure of hair and play a vital role in development**
- ✓ **Promotes greater hair condition, strength and integrity**
- ✓ **Can be applied directly to hair to impact elasticity**
- ✓ **Helps protect and rejuvenate hair damaged by chemical reactions**

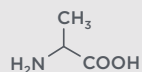


COMPLEXA OF 17 AMINO ACIDS

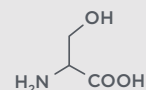
Small



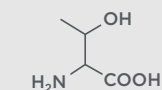
Glycine (Gly, G)
MW: 57.05



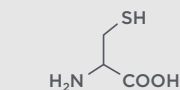
Alanine (Ala, A)
MW: 71.09



Serine (Ser, S)
MW: 87.08, pK_a ~ 16

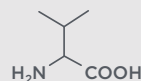


Threonine (Thr, T)
MW: 101.11, pK_a ~ 16

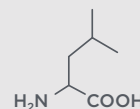


Cysteine (Cys, C)
MW: 103.15, pK_a ~ 8.35

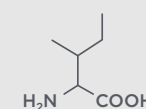
Hydrophobic



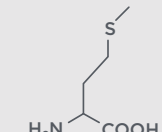
Valine (Val, V)
MW: 99.14



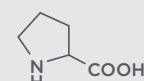
Leucine (Leu, L)
MW: 113.16



Isoleucine (Ile, I)
MW: 113.16

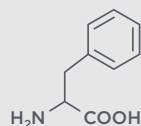


Methionine (Met, M)
MW: 131.19

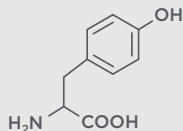


Proline (Pro, P)
MW: 97.12

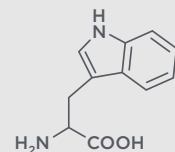
Aromatic



Phenylalanine (Phe, F)
MW: 147.18

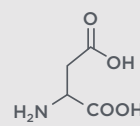


Tyrosine (Tyr, Y)
MW: 163.18

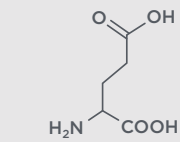


Tryptophan (Trp, W)
MW: 186.21

Acidic

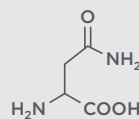


Aspartic Acid (Asp, D)
MW: 115.09, pK_a ~ 3.9

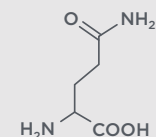


Glutamic Acid (Glu, E)
MW: 129.12, pK_a ~ 4.07

Amide

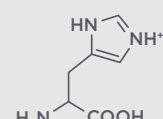


Asparagine (Asn, N)
MW: 114.11

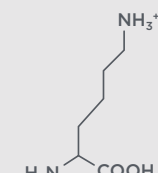


Glutamine (Gln, Q)
MW: 128.14

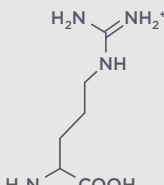
Basic



Histidine (His, H)
MW: 137.14, pK_a ~ 6.04



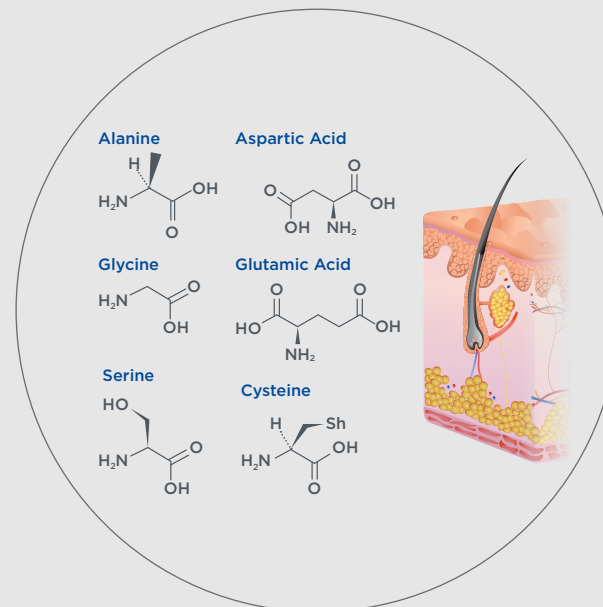
Lysine (Lys, K)
MW: 128.17, pK_a ~ 10.79



Arginine (Arg, R)
MW: 156.19, pK_a ~ 12.48

AMINO ACID IS
1/3000
THE MOLECULAR
WEIGHT
OF COLLAGEN

Essential Amino Acids for hair²⁵





23-INGREDIENT PLANT COMPLEXA

With a strong antioxidant and antibacterial effect, this potent botanical ComplexA provides vitality to the scalp, supplying nutrition and moisture to the hair to aid volume. It supports hair strength, while working to prevent thinning, split ends and dryness.

The addition of Eucalyptus loosens debris such as dead skin cells, oil, dust particles and bacteria and helps them to detach from the skin. While Portulaca Oleracea Extract calms irritated skin and offers a boost of hydration. The scalp is left soothed, calm and clean for a fresh feeling.

BENEFITS:

- ✓ Potent antioxidant and antibacterial effects
- ✓ Carefully selected nutrients and moisture delivered to hair and scalp
- ✓ Helps prevent thinning, splitting and dryness
- ✓ Soothes and cleanses scalp





23-INGREDIENT PLANT COMPLEXA



Camellia Sinensis Leaf Extract

Rich in bioactive compounds, such as catechins, L-theanine, and caffeine, it may also boost your immune system.



Mentha Piperita Leaf Extract

It has astringent and antipuritic, antiseptic and anti-inflammatory properties.



Chamaecyparis Obtusa Leaf Extract

Improve skin metabolism, repair skin damage, lighten skin, restore skin elasticity, reduce wrinkles.



Houttuynia Cordata Extract

Provides the skin with antioxidants, antibacterial, and anti-inflammatory properties.



Rosmarinus Officinalis Extract

It can improve circulation and is slightly antibacterial, promotes skin metabolism and also contains powerful antioxidants.



Ocimum Basilicum Extract

The strong anti-inflammatory and antimicrobial properties of basil would help prevent formation of acne.



Centella Asiatica Extract

The herb is recommended for the treatment of various skin conditions such as leprosy, lupus, varicose ulcers, eczema, psoriasis etc.



Portulaca Oleracea Extract

It can help heal wounds, calm irritated skin, and hydrate, and it has strong anti-ageing properties.



Lavandula Angustifolia Extract

It relieves stress, is relaxing and soothing, and calms the skin.



Melaleuca Alternifolia Leaf Extract

It contains strong antibacterial and antifungal compounds that are known to reduce inflammation and acne.



Hamamelis Virginiana Extract

The extract has soothing and anti-inflammatory properties.



Laurus Nobilis Leaf Extract

Effective against hair loss and promotes the healing of minor wounds.



Eucalyptus Globulus Leaf Extract

It cleanses the skin, by loosening dead skin cells/oil/dust particles/bacteria and helps them to detach from the skin.



Perilla Frutescens Leaf Extract

It has the potential to fight against free radical and oxidative stress.



Calendula Officinalis Flower Extract

It has antifungal, anti-inflammatory, and antibacterial properties that might make it useful in healing wounds, soothing eczema, and relieving diaper rash.



Avena Sativa Seed Extract

Avena sativa extract can help our skin with anti-inflammatory, antimicrobial, moisturising, antibacterial, and antioxidant effects.



Solanum Lycopersicum Fruit Extract

Tomato extract helps balance the pH of the skin and regulate sebum.



Chamomilla Recutita Flower Extract

It's soothing and has anti-inflammatory effects.



Artemisia Princeps Extract

Artemisia princeps extract (APE) are known to improve dry skin symptoms in atopic dermatitis.



Rosa Hybrid Flower Extract

As a gentle antiseptic and astringent, it can help cleanse skin and prevent blemishes.



Melissa Officinalis Leaf Extract

It has antiviral, antimicrobial and antifungal properties. Ideal for the treatment of herpes labialis, herpes zoster, eczema and wounds



Ocimum Basilicum Seed Extract

The strong anti-inflammatory and antimicrobial properties of basil would help prevent formation of acne.



Plantago Asiatica Extract

Plantago is best known for its skin-cleansing properties, and is often used for oily skin.

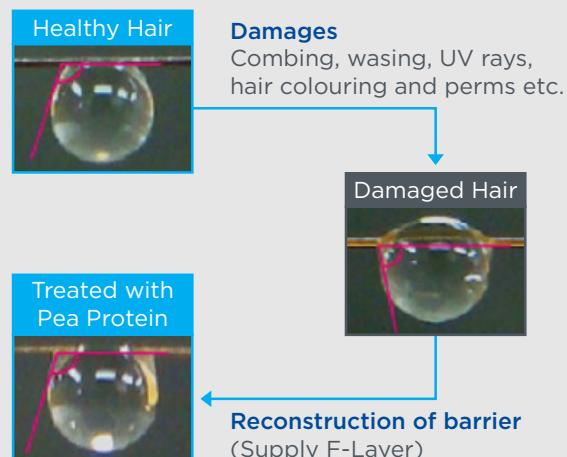
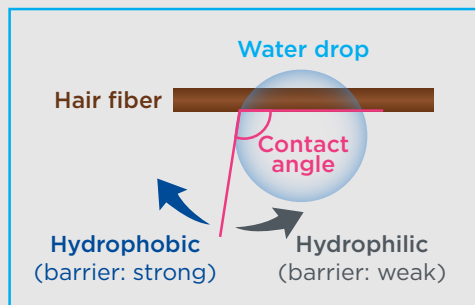


PEA PROTEIN

A plant-derived skin and hair conditioning ingredient, Pea Protein has a structure similar to F-Layer²⁶ which strengthens and regenerates a damaged hair barrier.

Healthy hair possesses a robust barrier structure that effectively repels water. However, this protective shield can be compromised by factors such as UV rays, combing, colouring, washing, or perms. When the barrier weakens, water infiltrates the hair, leading to further damage.

Pea Protein is a plant-derived hair-conditioning ingredient with a structure similar to the hair's natural barrier. Pea Protein helps strengthen and regenerates damaged strands so it can repel water, for luxuriously smooth hair.



BENEFITS:

- ✓ Plant-derived hair-conditioning ingredient
- ✓ Strengthens and regenerates damaged hair barrier
- ✓ Aid in repelling water for luxurious hair

DID YOU KNOW?

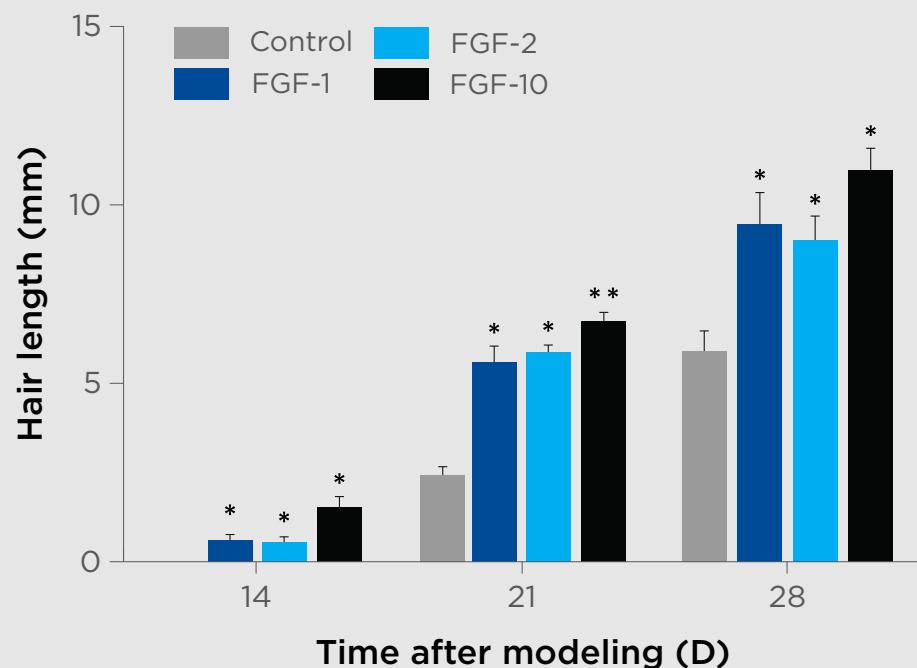
Healthy hair is hydrophobic, meaning it repels water. When it's damaged, it becomes hydrophilic making way for even more damage.

Pea Protein plays an important role in reinforcing the barrier that keeps out water.



PEPTIDE COMPLEXA

A concentrated blend of Polypeptides that enhances hair from all angles. This nourishing ComplexA helps support and stabilise hair cycles and encourages the delivery of follicle-friendly nutrients into the scalp. The synergistic effect of collagen, keratin, and hair follicle promoting factors help protect against hair fall and promotes thicker hair. It also provides a protective function to the hair follicle environment. Bio-active ingredients work to further improve the skin cycle and maintain scalp condition. It also helps boost melanin pigment to help prevent grey hair.



Basic fibroblast growth factor (bFGF) promotes hair length by promoting b-Catenin and Shh expression. wnt/b-catenine is a very important biological signal for hair follicle initiation, development, and growth.²⁷

BENEFITS:

- ✓ Supports and stabilises hair cycles
- ✓ Reinforces scalp and hair condition and strength
- ✓ Aids in preventing hair fall for thicker hair
- ✓ Boosts melanin pigment to reduce greys

DID YOU KNOW?

There are up to 14 different potent peptides included in EXO-GROW PEPTIDE COMPLEXAs.

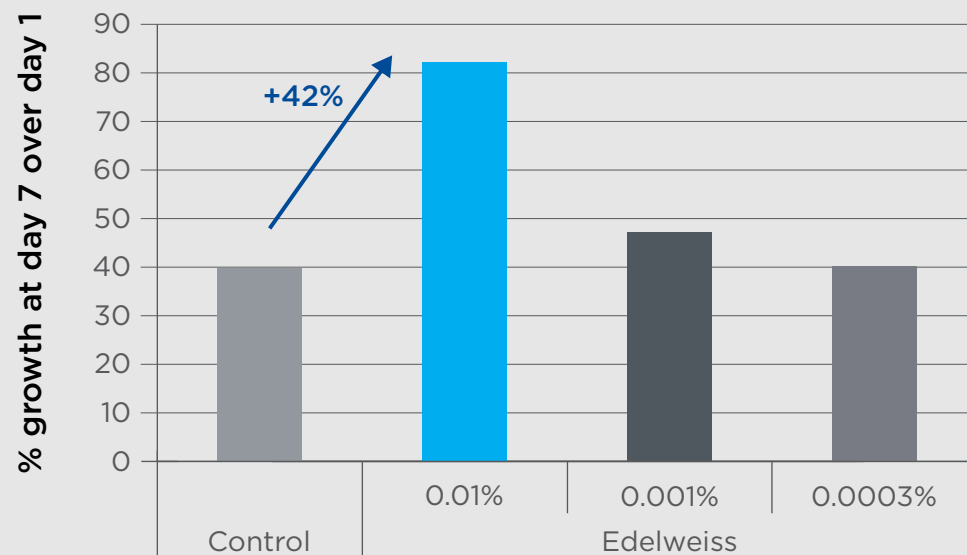


EDELWEISS EXTRACT

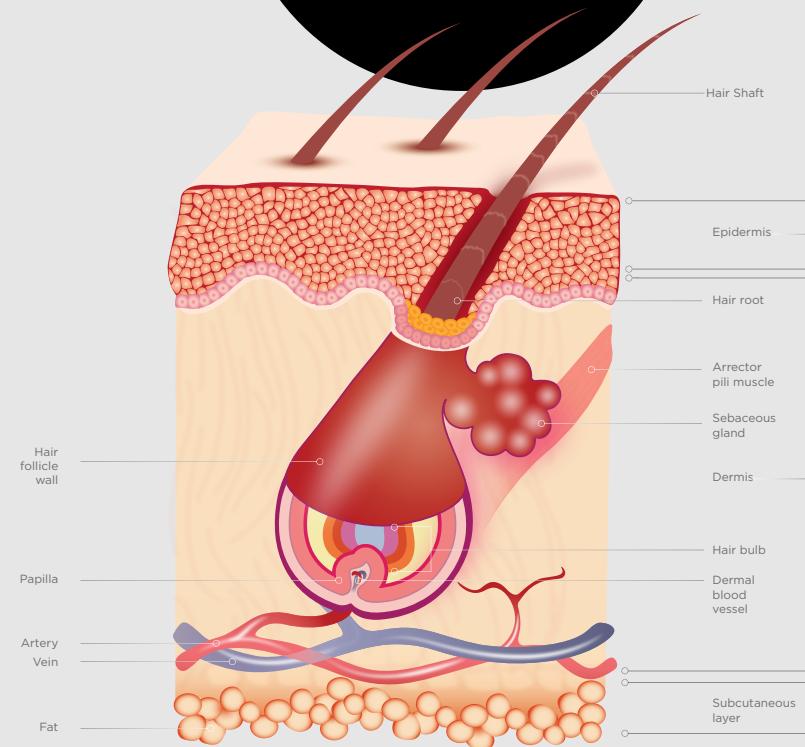
Cultivated through organic methods in the high Alpine regions, Edelweiss Extract supports hair follicle and shaft condition to help promote longer strands. It offers strong antioxidant radical-scavenging effects and supports the scalp's crucial protective barrier, enhancing its resistance to external stress. By supporting the scalp's natural balance, sensitivity is reduced.

It's also been shown to enhance pigmentation production in hair follicles aged by stress.

Ex vivo study: Hair shaft elongation



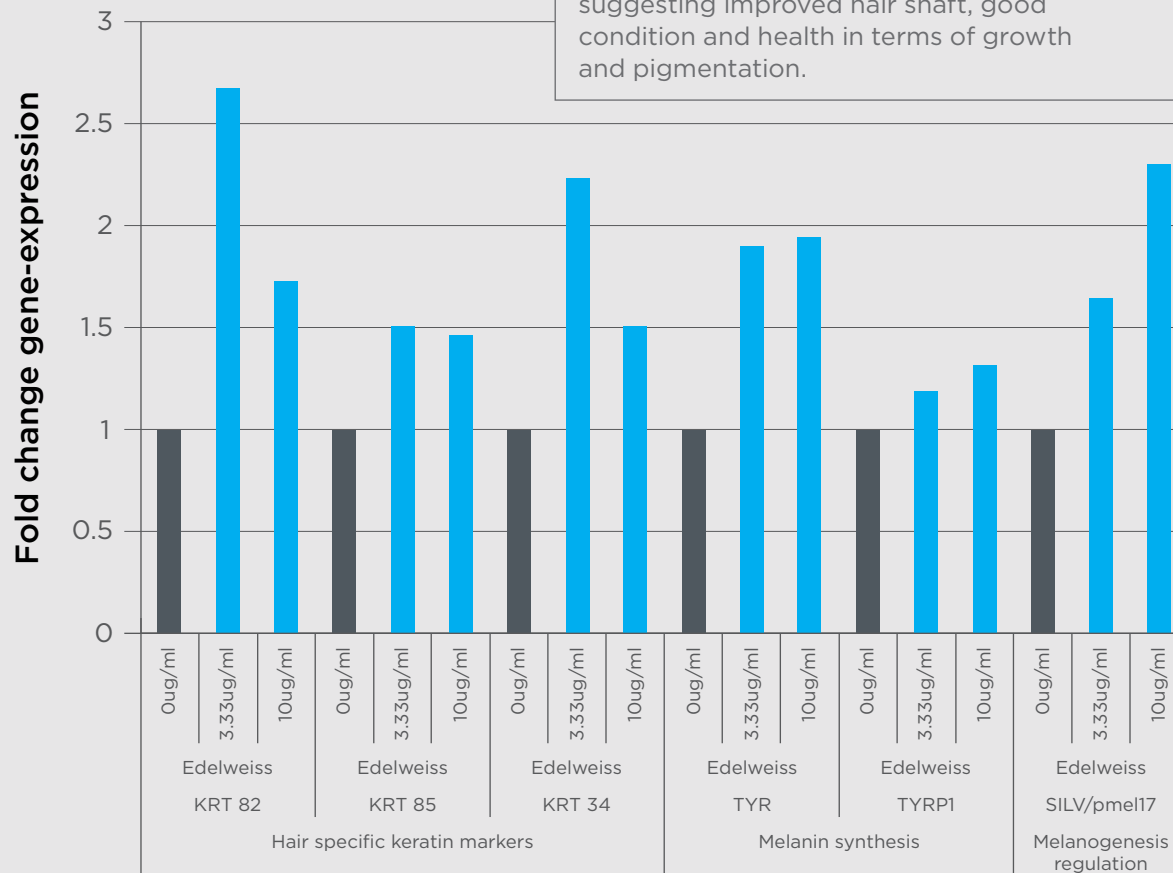
42%
INCREASE IN HAIR
SHAFT FORMATION
AND FOLLICLE
PIGMENTATION



- Edelweiss stimulates hair shaft elongation in stressed and aged hair follicles.
- Increase of proliferating cells in the Outer Root Sheath, suggesting activation of stem cell pool (Ki67 marker).

Gene expression analysis

In vitro key genes for hair shaft formation and pigmentation up-regulated by Edelweiss suggesting improved hair shaft, good condition and health in terms of growth and pigmentation.



- Aged hair follicles were dissected from face lift biopsies, male and female donors, 53 to 65 years old.
- For gene-expression study, hair follicles were treated with Edelweiss for 24hrs, mRNA was extracted, and analyzed by RT-PCR on a LightCycler® device (Roche Molecular System).
- For growth and pigmentation assessment, hair follicles were treated with Edelweiss for 7 days.

BENEFITS:

- ✓ Helps reduce greys and restore natural pigmentation
- ✓ Strong antioxidant radical-scavenging effects for improved scalp condition
- ✓ Promotes reduced scalp sensitivity
- ✓ Helps support hair follicle and shaft condition to boost hair thickness and length

DID YOU KNOW?

Edelweiss Extract exhibits robust antioxidant properties due to its Leontopodic Acid content.



BIO PROTEASE

Bio Protease is a high efficiency protease isolated from Korean spider using biotechnology — the remarkable result of 20 years of research.

The antibacterial and anti-inflammatory action of Bio Protease acts like a detox for skin to alleviate various skin concerns. It gently removes harmful dead skin cells, which has a synergistic effect of allowing other beneficial active ingredients to penetrate the scalp's surface.

Unlike chemical peeling, the biological peeling action of Bio Protease offers a more targeted removal of the problematic cells. Skin turnover is promoted for greater elasticity. Skin feels clean and refreshed.



BIO PROTEASE

BENEFITS:

- ✓ Acts like a detox for scalp, leaving a clean, fresh feeling
- ✓ Gently removes harmful dead skin cells that clog the scalp
- ✓ Offers synergistic effect by allowing greater penetration of other beneficial actives



DID YOU KNOW?

While some chemical peels may cause skin irritation, the biological peeling action of Bio Protease is gentle, only targeting harmful dead skin cells.



Backed by K-Beauty Bioscience

DermapenWorld is proud to be in a partnership through clinical collaboration between South Korea's leading scientists, medical professionals, and global skincare specialists.

After procuring exclusive licencing rights to 20 years of research and development, the Dp Dermaceuticals EXO-GROW COLLECTION™ is clinically proven to benefit individuals in both the retail homecare and professional-grade environments by addressing holistic hair, scalp and nail condition.



GROUND-BREAKING INNOVATION

Mass production of Extracellular Vesicles for hair growth and skin condition improvement



Certificate of New Excellent Technology

This is to certify that the following designated technology

Technology Manufacturing Technology of the composition of products for improving hair growth and skin condition by using the conditioned media prepared from human amniotic fluid fetal mesenchymal stem cells

Certificate number No. 0801

Valid until Dec. 18, 2016

is based on newly developed technology. This certification is in accordance with Article 15-2 of the Industrial Technology Innovation Promotion Act

Jan. 17, 2014


Minister

 **Ministry of Trade, Industry & Energy**
Republic of Korea

Animal-protein-free composition for cryopreservation of cells and tissues containing IT-HLA-G-EXO



Certificate for the Product with New Excellent Technology

This is to certify that the following designated technology

Technology Manufacturing Technology for Cryopreservation of Cells and Tissues Including Immune-Tolerized Human Mesenchymal Stem Cell-derived Extracellular Vesicles

Certificate number No. 1289

Valid until May 20, 2022

is based on newly developed technology. This certification is in accordance with Article 15-2 of the Industrial Technology Innovation Promotion Act

July 6, 2021

Ministry of Trade, Industry & Energy
Republic of Korea

Immune-tolerized extracellular vesicles for improving atopic dermatitis



Certificate for the Product with New Excellent Technology

This is to certify that the following designated technology

Technology Manufacturing Technology of Immune-tolerized Extracellular Vesicles for Atopy Improvement

Certificate number No. 1315

Valid until May 19, 2023

is based on newly developed technology. This certification is in accordance with Article 15-2 of the Industrial Technology Innovation Promotion Act

July 6, 2021

Ministry of Trade, Industry & Energy
Republic of Korea



Homecare
Recommended
by Hair Loss
Specialists



Patented
Ingredients



Polygon
Multiflorum Root
Water Instead
of Water



Gently
Low-Acidity

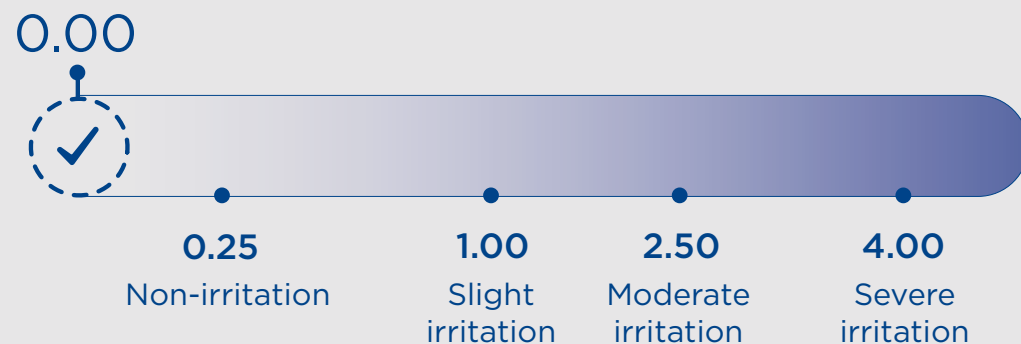


Non-Irritation
Dermatologist
Tested

KFDA CERTIFIED
Dermatologist Tested

KFDA
Certified

Anti-irritant properties featured in MG-EXO-GROW™



Introducing the EXO-GROW™ Collection

Hair and scalp care to
reverse the visible effects
of hair thinning or loss



DermapenWorld is internationally renowned for our expertise when it comes to skin. Our gold-standard range of microneedling devices are the cornerstone of our Synergy of Solutions. We go beyond the skin's surface to target multiple concerns on a deeper level.

The same goes for hair.

Beautiful hair doesn't begin with the individual strands, it all starts in the follicle. That means improving the condition of your scalp and follicles can dramatically improve the appearance and density of your hair.

It's time to move on from traditional methods that aren't solving the problem of hair loss. With the EXO-GROW COLLECTION™ you can get real results thanks to the advances in K-Beauty Bioscience which are proven to penetrate the hair follicle to reverse the visible effects of hair thinning or loss.



No Toxic
Chemicals



No Artificial
Fragrance



No Sulfates



No Silicones
& Parabens



Functional
Cosmetics
by KFDA

(Hair loss Improvement)



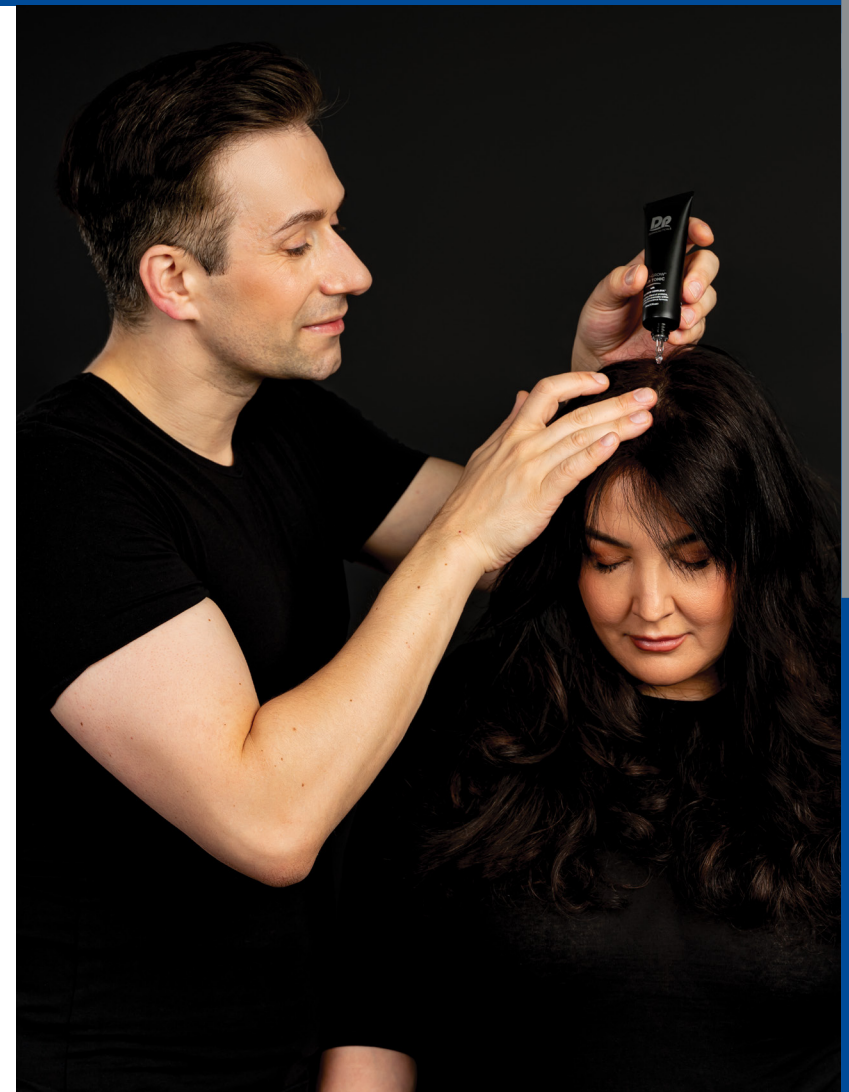
No SLS,
SLES



Dermatologist
Tested



Compatible with
Microneedling



Meet the Specialty Products

MG-EXO-GROW™

MG-EXO-GROW™ by Dp Dermaceuticals is a powerful, professional Meso-Glide that rejuvenates and strengthens hair follicles and promotes a healthy hair cycle that reduces fall. It contains patented IMMUNE TOLERANT “HLA-G COMPLEXA™” Exosome technology — a powerful cocktail of Poly-peptides, Growth Factors, Amino Acids, Coenzymes, Ceramide ComplexA, Vitamin and Minerals and HA to signal cellular rejuvenation to improve the visible appearance of thinning hair.

With Exosome technology, MG-EXO-GROW renews hair growth lifespan, improves scalp condition and helps avoid hair fall. Thanks to the patented IMMUNE TOLERANT HLA-G COMPLEXA the Exosome therapeutic benefits accumulate over time with extended use.

The added Sophora Japonica Plant Exo Extracts has been shown to help prevent hair loss and hair follicle shrinkage. Sophora Japonica Plant Exo Extracts has been clinically shown to inhibit 5α-Reductase, blocking DHT production, which contributes to androgenic alopecia (male pattern hair loss).²⁸

Scalp epidermis and dermis condition is also crucial to the appearance of hair. MG-EXO-GROW contains other advanced ingredients in a bioscience formula to reduce irritation and excessive oil production and boost collagen production and hydration to create a supportive environment for hair to flourish.



BENEFITS:

- ✓ Promotes healthy hair cycle to reduce fall
- ✓ Improves scalp condition
- ✓ Helps create an ideal environment for hair that appears full of body and vitality
- ✓ Strengthens and rejuvenates hair follicles

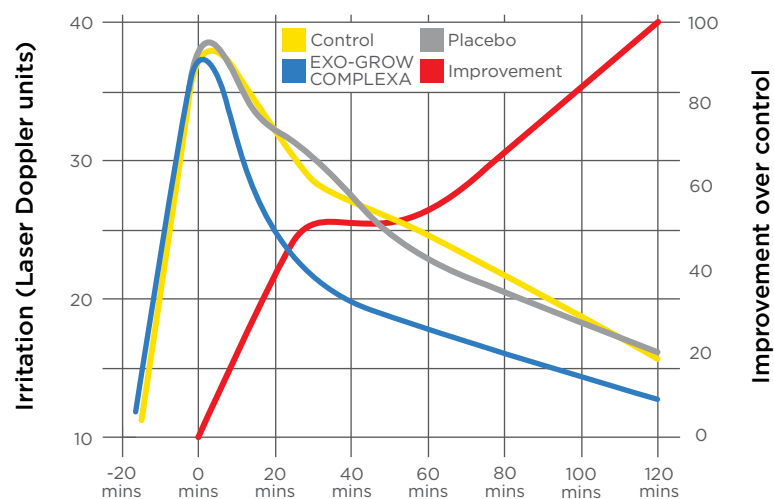
ACTIVE INGREDIENTS:

Patented IMMUNE TOLERANT “HLA-G COMPLEXA™” Exosome technology — a powerful cocktail of Poly-peptides, Growth Factors, Amino Acids, Coenzymes, Ceramide ComplexA, Vitamin and Minerals and HA to signal cellular rejuvenation to improve the visible appearance of thinning hair.

BIOSCIENCE CORE COMPLEXAS INCLUDE:

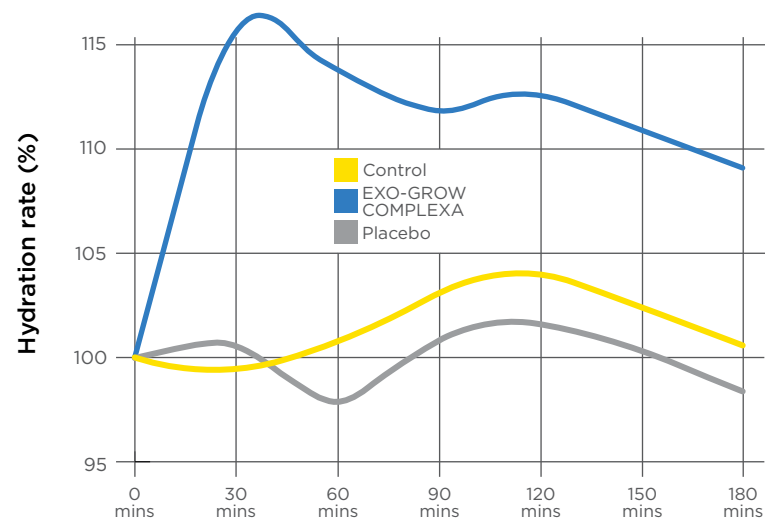
- ✓ Exosomes
- ✓ Ceramide ComplexA
- ✓ Peptide ComplexA
- ✓ Sophora Japonica Callus Culture Extract

Anti-irritant Properties Featured in MG-EXO-GROW™



Result: EXO-GROW COMPLEXA²⁹ reduced irritation by more than 30% shortly after application and by more than 50% throughout the study. The results demonstrate that ELHIBIN® PF is a highly effective anti-irritant.

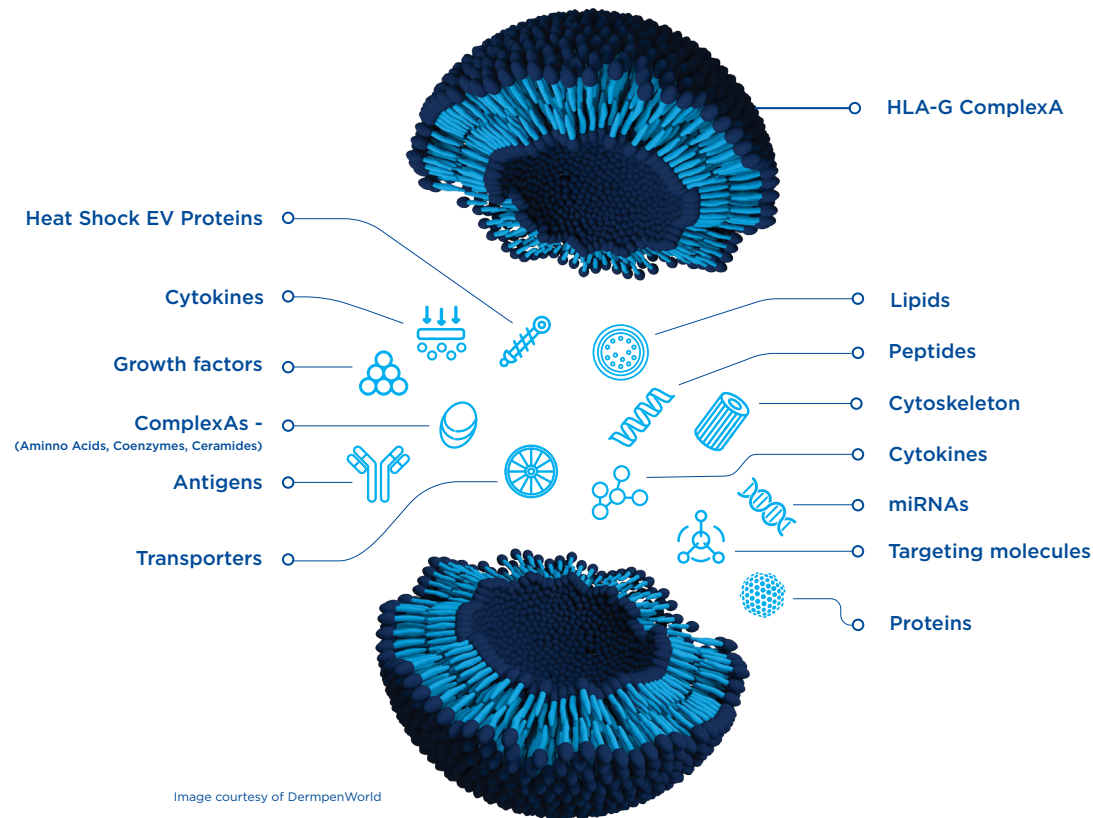
Moisturising Properties Used in MG-EXO-GROW



Result: The formulation containing EXO-GROW COMPLEXA led to a 10% increase in skin hydration, which persisted for at least three hours after application.

MG-EXO-GROW™

Peptide ComplexA



MG-EXO-GROW contains 13 types of Peptide ComplexAs shown to enhance hair growth and fullness, including:

- Acetyl-Hexapeptide-8
- Copper Tripeptide-1
- sh-Polypeptide-3
- sh-Polypeptide-1
- sh-Polypeptide-60
- sh-Polypeptide-81
- sh-Polypeptide-22
- sh-Polypeptide-8
- Acetyl Octapeptide-3
- Palmitoyl Tetrapeptide-7
- Palmitoyl Tripeptide-1
- Decapeptide-12
- Nicotinoyl Octapeptide-9

Ask us about the Official EXO-GROW™ and Dermapen 4™ procedural protocols exclusively available to DermapenWorld Authorised Treatment Providers.



UP TO
160%
MORE EFFECTIVE
THAN MINOXIDIL

EXO-GROW™ HAIR TONIC

Dp Dermaceuticals EXO-GROW HAIR TONIC invigorates hair follicles to give your hair a boost and fosters an improved hair cycle to help minimise fall. The enhanced bio formula includes RNA, Cytokines, and other microscopic-particles, which are the world's only immune-tolerant substances — meaning they increase in effectiveness with each application — and are specialised for anyone already experiencing hair loss.

The addition of a patented bio-enzyme offers anti-inflammatory effect, while the patented Sophora Japonica Callus Culture Extract has been shown to help prevent hair loss and hair follicle shrinkage. Trifolium Pratense (Clover) Flower Extract, Edelweiss Extract, Polygonum Multiflorum Root Extract, Centella Asiatica Extract, and Ginger Extracts have clinically confirmed hair fall prevention and improvement effects, for enhanced hair density and thickness.



IMMUNE TOLERANT EXOSOME TECHNOLOGY:

- ✓ Ceramide ComplexA
- ✓ Exosomes
- ✓ Peptide ComplexA
- ✓ Amino Acid ComplexA
- ✓ Sophora Japonica Culture Extract
- ✓ Complex of 17 Amino Acids
- ✓ Polynucleotides



BENEFITS:

✓ Promotes healthy hair cycle

✓ Boosts hair density for healthier and thicker hair

✓ Supports follicle condition to help reduce hair fall



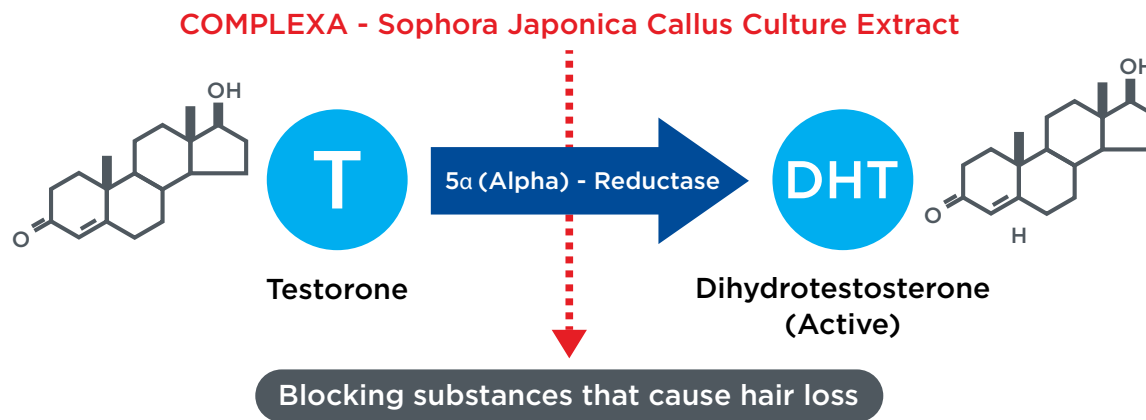
ACTIVE INGREDIENTS:

Patented IMMUNE TOLERANT "HLA-G COMPLEXA™"



EXO-GROW™ SCALP MASK

A patented bio enzyme in the Dp Dermaceuticals EXO-GROW SCALP MASK gently and effectively removes dead skin cells and excess oil from inflamed pores. The added Sophora Japonica Plant Exo Extracts have been shown to help prevent hair loss and hair follicle shrinkage. It helps soothe itchy, flaky, and chemically damaged scalps.



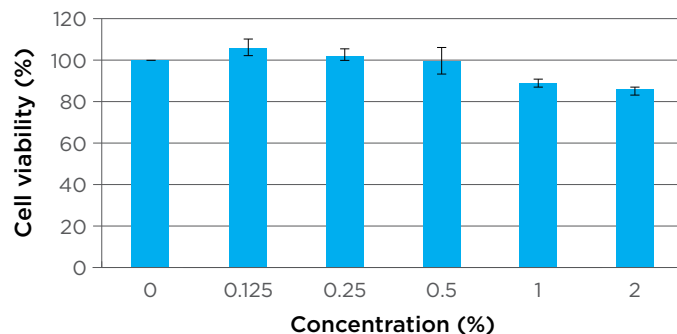
The Ceramide and Amino Acid ComplexAs boost scalp and hair condition and strength for thicker and more beautiful hair. It restores keratin fibres by replenishing essential proteins in the hair. Dry and damaged hair is moisturised and hydrated to prevent split ends and breakage and enhance strength and elasticity.



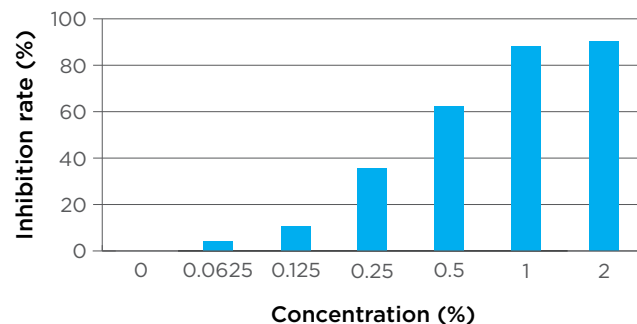
EXO-GROW™ SCALP MASK

Regularly using EXO-GROW SCALP MASK allows for a greater infusion of EXO-GROW™ HAIR TONIC or professional-only formula MG-EXO-GROW™ penetration and the effectiveness of the actives when combining with infusion devices or rejuvenation procedures.

Cell Activity of Sophora Japonica Stem Cells



Anti Microbial Activity of Sophora Japonica Stem Cells



BENEFITS:

- ✓ The anti-inflammatory action of Protease provides a scalp detox
- ✓ Skin feels clean and elastic thanks to boosted skin turnover
- ✓ Biological peeling removes harmful dead skin cells
- ✓ Help boost absorption of beneficial ingredients

ACTIVE INGREDIENTS:

Amino Acid Complex, Ceramide ComplexA, Pentavitin (known "water magnet"), Eco-Skin Complex, Natural Bio-enzymes.

BIOSCIENCE CORE COMPLEXAS INCLUDE:

- ✓ Ceramide ComplexA
- ✓ Complex of 17 Amino Acids
- ✓ Sophora Japonica

EXO-GROW™ SHAMPOO

Unlike other water-based shampoos, Dp Dermaceuticals EXO-GROW SHAMPOO uses Hasuo (Polygonum Root Plant Extracts) for intense hydration and nourishment. It gently cleanses and infuses scalp and hair with moisture and essential nutrients, for a stronger, softer, and shinier look.

It contains a patented bio enzyme that protects against inflammation and bacteria and gently removes dead skin cells from the scalp, leaving it clean and refreshed. The added Sophora Japonica Plant Exo Extracts has been shown to help prevent hair loss and hair follicle shrinkage.

EXO-GROW SHAMPOO also includes Amino Acids, Pea Proteins, Ceramides, and 23 Plant Extracts that boost the scalp's antioxidant levels and rejuvenates the damage caused by thinning hair.



No Toxic
Chemicals



No Artificial
Fragrance



No Sulfates



No Silicones
& Parabens



Functional
Cosmetics
by KFDA
(Hair loss Improvement)



No SLS,
SLES



Dermatologist
Tested



BENEFITS:

- ✓ Helps reduce hair fall through improved scalp and follicle condition
- ✓ Maintains and balances water and oil balance on scalp
- ✓ Relieves itching and discomfort
- ✓ Anti-inflammatory action

ACTIVE INGREDIENTS:

Hasuo Plant Extracts, Sophora Japonica Callus Culture Extract, Polygonum Multiflorum Root Water, Pea Protein, Piroctone Olamine, Niacinamide, Protease, Ceramide Complex, Copper Peptides, Caffeine, Camellia Sinensis Leaf Extract, Centella Asiatica Extract, blend of 23 plant extracts.

BIOSCIENCE CORE COMPLEXAS INCLUDE:

- ✓ Ceramide ComplexA
- ✓ 23-ingredient Plant ComplexA
- ✓ Pea Protein

COLOUR RECHARGE SHAMPOO BAR™

This fully functional COLOUR RECHARGE SHAMPOO BAR helps reverse silver hair back to its natural colour, no matter what shade. Think of this as the anti-ageing answer to hair care.

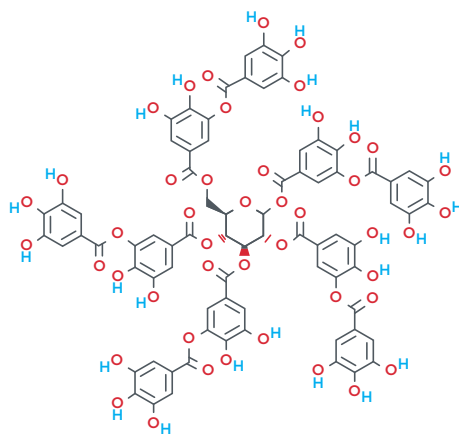
The shampoo bar plays a multifunctional role in improving the appearance and care of hair. Plant Polyphenols such as Gallic Acid and Tannic Acid and natural Charcoal ingredients deepen hair colour to return it to its natural hue. Patented extracts of Sophora Japonica and Edelweiss and Soybean Protein nourish the hair root to promote thicker, beautifully conditioned hair. While a Bio-enzyme gently exfoliates the scalp, offers anti-inflammatory support and protects the scalp barrier. Boosted with scalp and hair friendly amino acids, minerals and natural oils for improved condition of hair from root to tip. pH 4.5~6.5.

TIP: Use for beard grooming. Wet beard area, massage deeply into the skin the COLOUR RECHARGE SHAMPOO BAR over the area to create a frothy foam and leave on for 5 mins. Can also be used as a shaving foam.



Plant Polyphenols ComplexA

By combining Gallic and Tannic Acid, vegetable polyphenols are densely adsorbed on the strands. When combined with oxygen, oxidation occurs, and grey hair is returned to its natural colour.



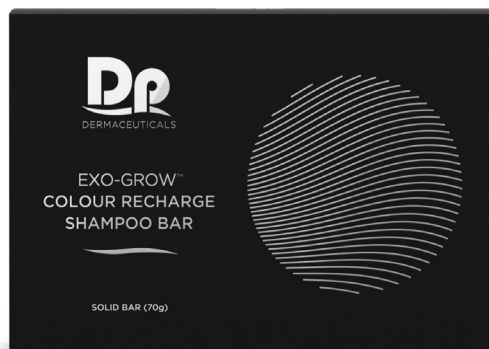
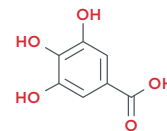
Active Ingredient: Tannic acid and Gallic Acid

Tannic acid is:

- one of the antioxidants as the most commonly found polyphenols in the plant world
- a molecular adhesive as that it binds to almost all biological polymers such as proteins and DNA
- control the function and wettability of the surface
- contribute to energy storage and generating devices
- show various possibilities as medical sanctions.

Gallic Acid is:

- a vegetable polyphenol component
- adsorbed on the hair by the adhesion of tannic acid
- is oxidized by bonding with polyphenolic oxygen and causes a browning reaction.



BENEFITS:

- ✓ Uses natural ingredients to change grey hair back to natural colour
- ✓ Improves scalp condition for hair that is soft and rich
- ✓ Scalp exfoliating, anti-inflammation and barrier strengthening
- ✓ Helps protect hair against the visible effects of hair loss
- ✓ Perfect for beards and shaving

ACTIVE INGREDIENTS:

Gallic Acid and Tannic Acid, Tural Charcoal, Sophora Japonica and Edelweiss, Soybean Protein, Black Current, Blackberry, Eggplant, Blueberry, Cermamide & Peptide ComplexAs.

BIOSCIENCE CORE COMPLEXAS INCLUDE:

- ✓ Pea Protein
- ✓ Edelweiss Extract
- ✓ Sophora Japonica Callus Culture Extract
- ✓ Black C ComplexA

COLOUR RECHARGE SHAMPOO BAR™

BENEFITS:

- ✓ Binds tightly to hair
- ✓ Helps return grey hair to original colour with continued use

Browning Test



BEFORE

AFTER

Clinical Test



BEFORE

AFTER

“ Due to the attachment of gallic acid and tanned acid, vegetable polyphenols are densely absorbed on the hair, and when combined with oxygen, they are oxidized and darkening & browning effects occur over time. ”

EXO-GROW™ CONDITIONER

Dp Dermaceuticals EXO-GROW CONDITIONER is enriched with Ceramide Complex, Soybean Protein and Hydrolysed Collagen/Keratin. It helps add an extra layer of protection to coarse, thinning hair damaged by frequent perming, colouring, braiding, friction from head scarves and/or UV exposure to quickly restore a thicker, healthier appearance.

Unlike some conditioners, EXO-GROW CONDITIONER is safe to massage into the scalp without clogging pores. The patented Sophora Japonica Callus Culture Extract and Peptide/Amino Acid ComplexAs nourish the scalp, while Niacinamide, Menthol, and Panthenol help strengthen the surface of the scalp to create an environment where hair can thrive. These invigorating ingredients aid the transformation of thinning and dry hair into smooth, shiny hair with fuller volume.



No Toxic
Chemicals



No Artificial
Fragrance



No Sulfates



No Silicones
& Parabens



Functional
Cosmetics
by KFDA
(Hair loss Improvement)



No SLS,
SLES



Dermatologist
Tested



BENEFITS:

- ✓ Protects and smooths damaged and rough hair cuticle layers
- ✓ Restores shine to hair damaged from intense heat, sunlight or colouring
- ✓ Provides a protective layer to any course, damaged part of the hair cuticle

ACTIVE INGREDIENTS:

Hasuo Plant Extracts, Hydrolysed Collagen Keratin Complex, Sophora Japonica Callus Culture Extract, Pea Protein, Niacinamide, Protease, Ceramide Complex, Copper Peptides, Caffeine, Camellia Sinensis Leaf Extract, Centella Asiatica Extract, blend of 23 plant extracts.

BIOSCIENCE CORE COMPLEXAS INCLUDE:

- ✓ Ceramide ComplexA
- ✓ 23-ingredient Plant ComplexA
- ✓ Pea Protein
- ✓ Peptide ComplexA
- ✓ Hydrolysed Collagen & Keratin ComplexA

EXO-GROW™ LASH&BROW

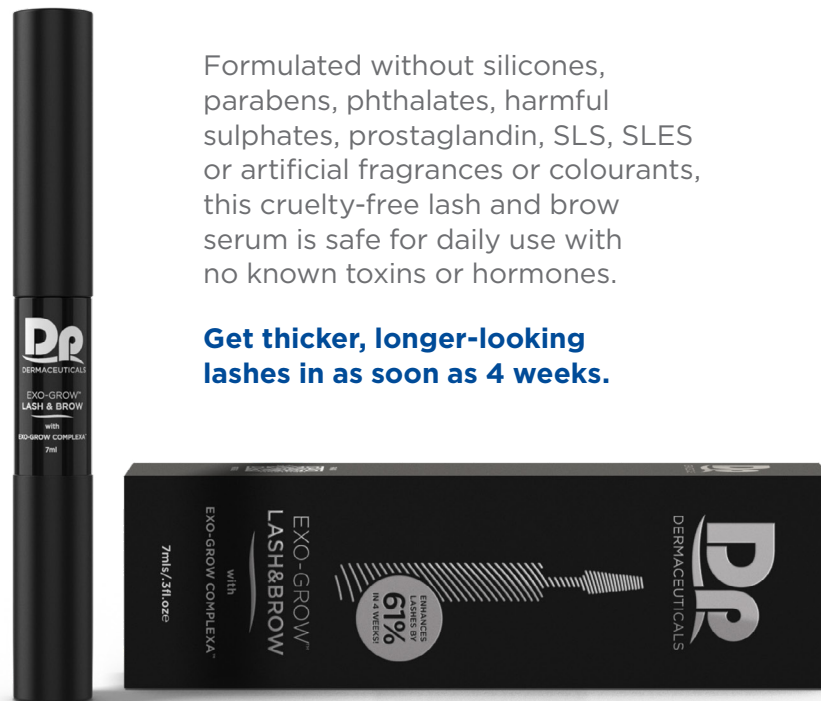
EXO-GROW LASH&BROW is clinically proven to produce thicker, longer-looking lashes and brows in as little as 4 weeks.

This dual-action nourishing lash and brow enhancer is powered by hair-enriching EXO-GROW Peptide ComplexAs that nurture and revitalise hair right from the root to support the appearance of more density and volume with visible results.

Proven results from potent immune-tolerant Exosome Technology for long-term continued results.

Formulated without silicones, parabens, phthalates, harmful sulphates, prostaglandin, SLS, SLES or artificial fragrances or colourants, this cruelty-free lash and brow serum is safe for daily use with no known toxins or hormones.

**Get thicker, longer-looking
lashes in as soon as 4 weeks.**



BENEFITS:

- ✓ Fast working with consistent use, see results in as little as 4 weeks
- ✓ Enhances lashes by more than 61%
- ✓ Clinically proven to produce thicker, longer-looking lashes and brows
- ✓ NO silicones, parabens, phthalates, harmful sulphates, prostaglandin, SLS, SLES or artificial fragrances or colourants
- ✓ Dual-ended applicator for easy and accurate application

ACTIVE INGREDIENTS:

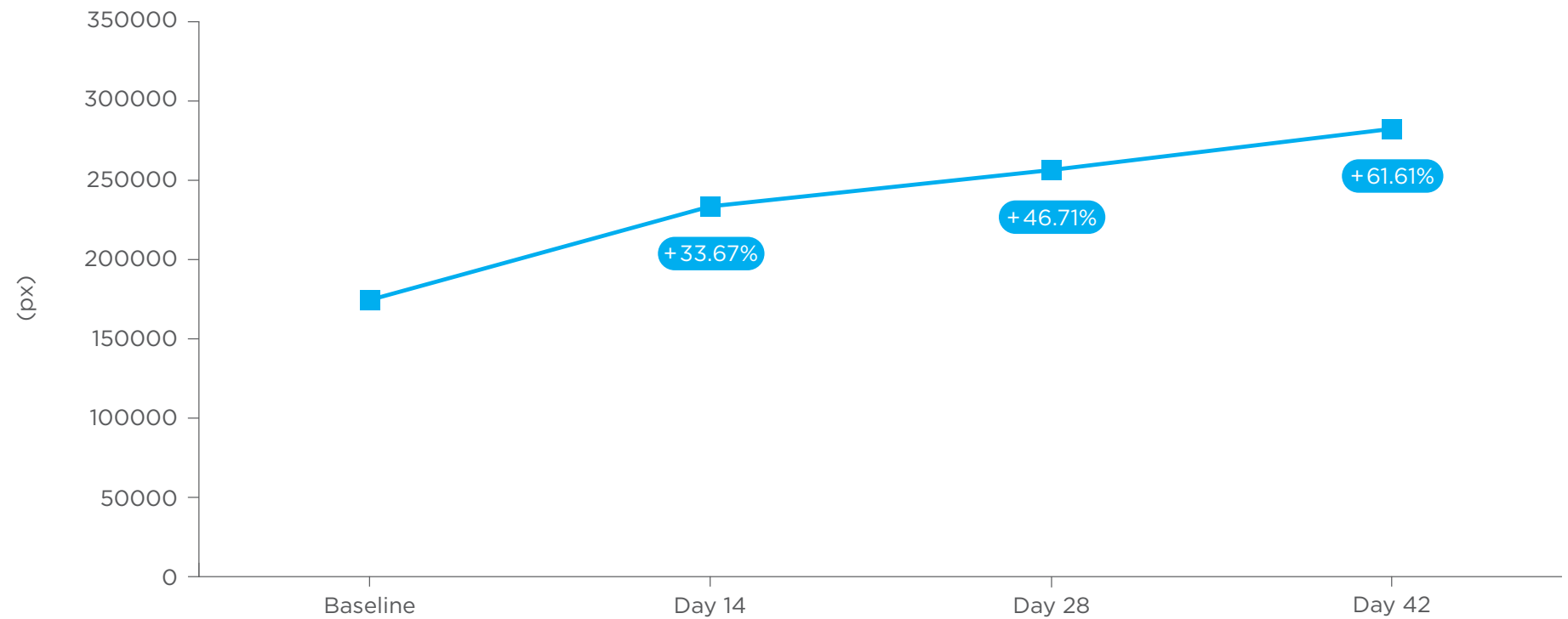
Peptide ComplexA, IT-HLA-G-EXO
Exosome Technology

Meet the Specialty Products

EXO-GROW™ LASH&BROW

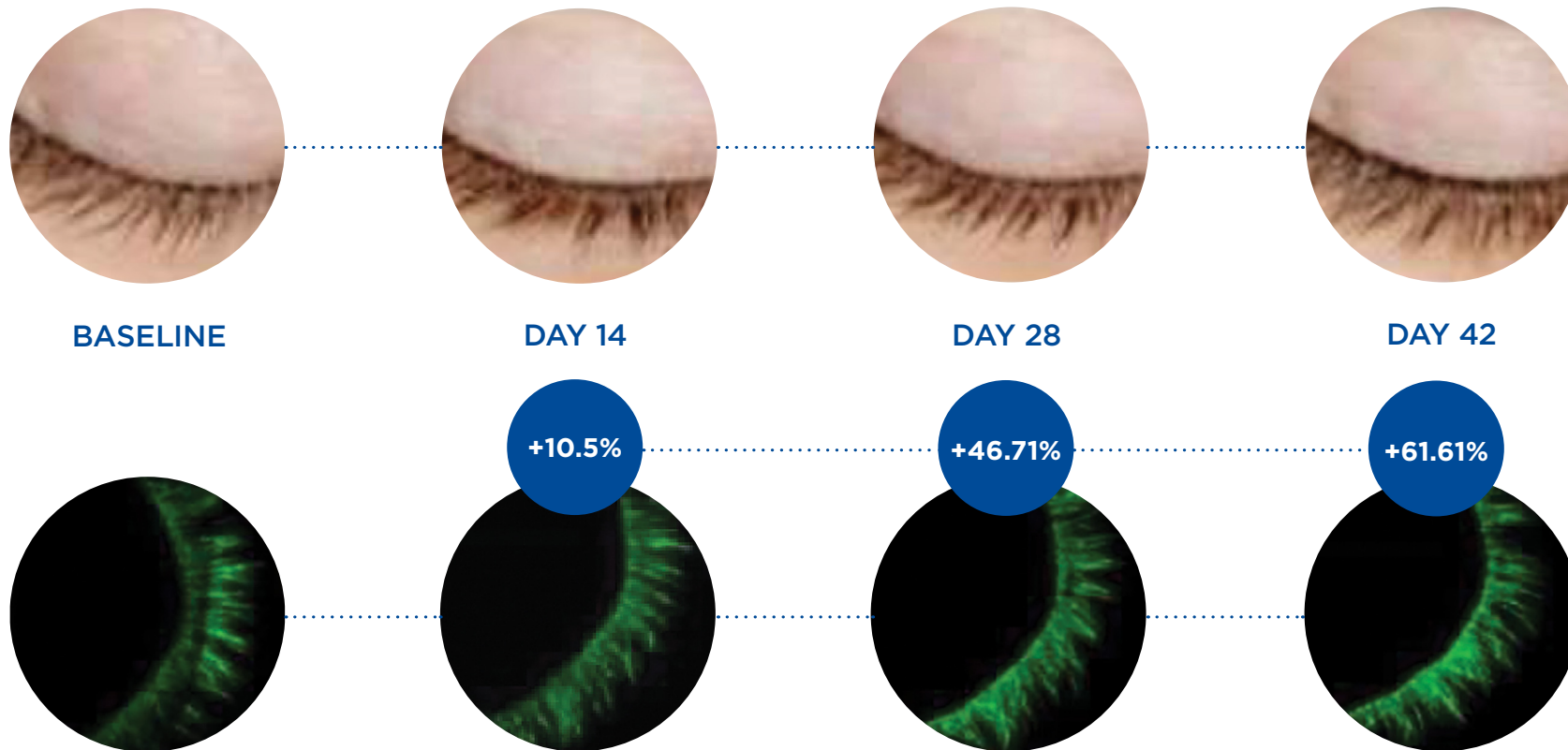
ENHANCES
LASHES BY
61%
IN 4 WEEKS!

Eyelash enhancement - in vivo



Eyelash Enhancement - In Vivo

INDIVIDUAL RESULTS RIGHT EYELASH



Peptide ComplexA

(INCI Myristoyl Pentapeptide-17)

One of the core Peptides included in EXO-GROW LASH&BROW is Myristoyl Pentapeptide-17, which is clinically shown to enhance the appearance of hair. It's been proven to increase lashes by more than 61%.

With more hair-boosting Peptides ComplexAs, including

- Acetyl-Hexapeptide-3
- Copper Tripeptide-1
- sh-Oligopeptide-2
- sh-Polypeptide-3
- sh-Polypeptide-1
- sh-Polypeptide-9
- sh-Polypeptide-13
- Lysine Polypeptide Copper HCl
- Acetyl Hexapeptide-1
- Acetyl Tetrapeptide-3
- Biotinoyl Tripeptide-1

Ask us about the official EXO-GROW™ and Dermapen 4™ procedural protocols exclusively available to DermapenWorld Authorised Treatment Providers.



ENHANCES
LASHES BY

61%

IN 4 WEEKS!

BIOSCIENCE CORE COMPLEXAS INCLUDE:

- ✓ Exosomes
- ✓ Peptide ComplexA
- ✓ Bio Protease
- ✓ Sophora Japonica Callus Culture Extract
- ✓ Amino ComplexA
- ✓ Edelweiss Extract

How to Use

CLINICAL PROTOCOL

Step 1: Preparation

EXO-GROW™ SCALP MASK



Patient should use EXO-GROW SCALP MASK before proceeding with an in-clinic Dermapen procedure to prepare the scalp.

Step 2: Cleanse

CLINIPREP+™



Ensure clinically clean scalp and hair with CLINIPREP+.

Step 3: Meso-Glide and Dermapen

MG-EXO-GROW™
Dermapen 4™



Use MG-EXO-GROW Meso-Glide with Dermapen 4.

Any remaining MG-EXO-GROW can be fully massaged into scalp.

Remove excess Meso-Glide with CLINIPREP+.

Step 4: Post Care

VITAMIN RICH REPAIR™
EXO-SKIN MOISTURISER™
COVER RECOVER™



For aftercare, apply VITAMIN RICH REPAIR or EXO-SKIN MOISTURISER.

For balding exposed scalps; apply SPF - COVER RECOVER CLEAR or SHEER.

Ask us about the official EXO-GROW™ and Dermapen 4 procedural protocols exclusively available to DermapenWorld Authorised Treatment Providers.

PRESCRIBED PATIENT HOMECARE

Step 1: Preperation

EXO-GROW™ SCALP MASK



Apply EXO-GROW SCALP MASK at least 3 times/week and prior to professional or at-home microneedling.

Step 2: Cleanse

EXO-GROW™ SHAMPOO
EXO-GROW™ CONDITIONER



Use EXO-GROW SHAMPOO & CONDITIONER 3-5 times/week.

Step 3: Cleanse

EXO-GROW™ HAIR TONIC



Apply EXO-GROW HAIR TONIC daily.

Step 4: Post Care

Dermapen HOME™
EXO-GROW™ HAIR TONIC



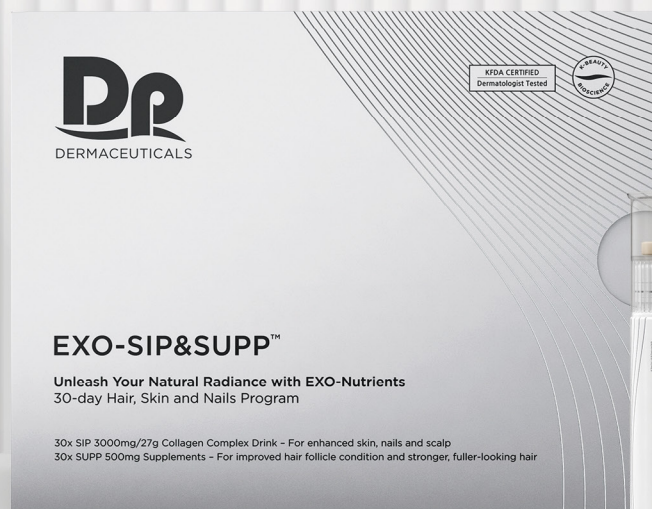
Use Dermapen HOME 1-2 times/week to infuse Dp Dermaceuticals EXO-GROW HAIR TONIC for greater efficacy.

Step 5: Boost

EXO-SIP&SUPP™



Take EXO-SIP&SUPP daily.



Skin & Hair Bioscience in Synergy

THE EV REVOLUTION HAS ARRIVED – INTRODUCING EXO-SKIN™

Produced naturally by all cells in our body – Exosomes play a key role in intercellular communication and tissue rejuvenation.

The latest research finally reveals these tiny powerhouses are the missing link to trigger our cells to regenerate not only in the scalp, but also skin, hair and nails.

Since inventing the original and trusted Dermapen™ over a decade ago, DermapenWorld™ has continually set and reset the bar for delivering the gold standard in skin rejuvenation. Our Synergy of Solutions is a holistic skin rejuvenation system that includes cutting-edge devices, products and routines to achieve flawless looking skin.

The Dp Dermaceuticals EXO-SKIN COLLECTION™ works in perfect synergy with EXO-GROW™.

Available in clinical-grade and at-home formulations for potent skin renewal and rejuvenation.



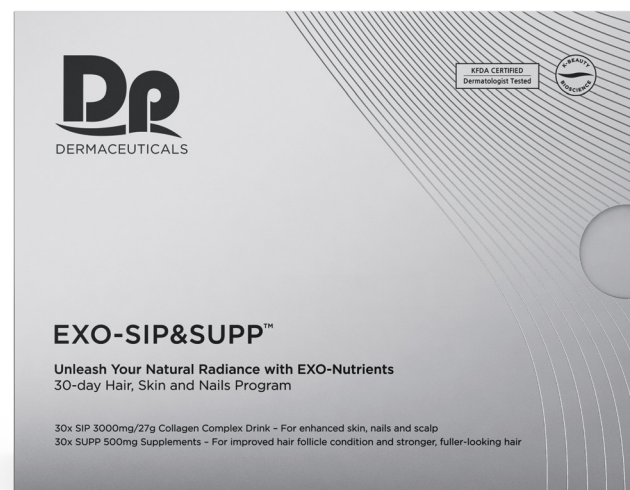
Learn more about Dp Dermaceuticals EXO-SKIN collection to discover how to best support your skin rejuvenation patients.



PRESENTING EXO-SIP&SUPP™

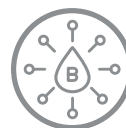
Containing a potent collection of Marine Collagen Peptides, Vital Amino Acids, Hyaluronic Acid, Niacinamide, Vitamin B ComplexAs, Vitamin C, E, and Fruit and Vegetable Extracts.

Enhance your overall appearance with the optimal EXO-nutrient combination: A daily program designed to rejuvenate the appearance of your skin, strengthen your nails, and promote lustrous hair.



Marine Collagen

Anti-inflammatory, rejuvenates damaged skin cells and strengthens hair follicles to support optimal hair growth



Vitamin B ComplexA

With B1, B2, B3, B5, B6, B7, B12 to support wound healing and acne-prone skin, promotes healthy scalp and hair follicles



Vitamin C & E

Boosts collagen, brightens skin and protects cells from free radicals, supports overall scalp and hair health



White Tomato

Prevents the appearance of blemishes, acne scars and pigmentation, fights dandruff and nourishing hair follicles

Daily Recommended Dose:

Biotin	30mcg
Nicotinamide	21.3mg
Vitamin B6	1.5mg
Vitamin B2	1.1mg
Vitamin E	15mg

Saw Palmetto	320mg
Calcium Pantothenate	5mg
Dried Yeast (Zn)	21.3mg
Dried Yeast (Cr)	30mcg
Dried Yeast (Se)	55mcg*

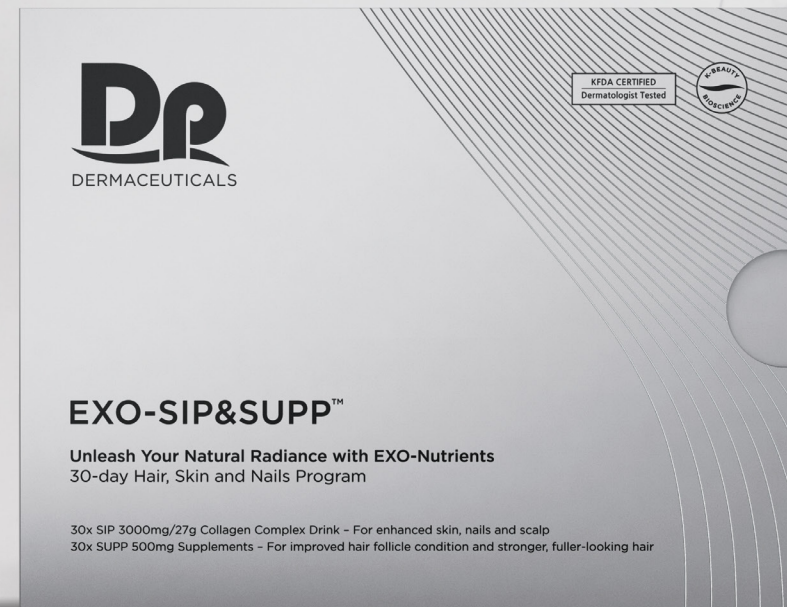
*Source: NIH

A HOLISTIC APPROACH TO SKIN, HAIR AND NAILS REJUVENATION

Containing a potent collection of Marine Collagen Peptides, Vital Amino Acids, Hyaluronic Acid, Niacinamide, Vitamin B ComplexAs, Vitamin C, E, and Fruit and Vegetable Extracts.

Enhance your overall appearance with the optimal EXO-nutrient combination: A daily program designed to rejuvenate the appearance of your skin, strengthen your nails, and promote lustrous hair.

SIP daily for glowing skin and stronger nails and take one **SUPP** (Supplement) daily for improved hair condition for fuller-looking hair.





Patent
Ingredients



Bio Science &
Result Oriented



Safe &
Effective



No Toxic
Chemicals



No Artificial Colours



No Sulfates



No Silicones
& Parabens



Functional
Cosmetics
by KFDA
(Hair loss Improvement)



Eco Packaging



DIRECTIONS FOR USE

MG-EXO-GROW™



Each vial is designed for a single professional application. Shake vial well. Apply to a cleansed scalp by gently massaging MG-EXO-GROW onto the problematic area.

Gently massage into the area before proceeding with any procedure.

EXO-GROW™ HAIR TONIC



After using EXO-GROW SHAMPOO and CONDITIONER, towel-dry your hair and scalp. Make sure hair is still wet. Gently massage HAIR TONIC onto the problematic area. The product will absorb in about 5-10 minutes. During that time, gently massage with your fingertips or infuse the tonic with your personal infusion device.

Recommended for daily use.

EXO-GROW™ SCALP MASK



Use on dry scalp. Apply 1-2 pumps of product on the hairline or entire scalp. Massage with fingertips for 2 minutes. Leave on the scalp for 3-5 minutes. Wash Off.

Option 1: Follow with an application of Dp Dermaceuticals EXO-GROW HAIR TONIC or MG-EXO-GROW and proceed with infusion rejuvenation procedure.

Option 2: Follow with an application of Dp Dermaceuticals EXO-GROW SHAMPOO and CONDITIONER. Wash off. Towel dry followed by EXO-GROW HAIR TONIC.

Recommended use: Once a week for normal scalp. Twice or more if necessary for oily scalp.

EXO-GROW™ SHAMPOO



Apply EXO-GROW SHAMPOO to wet hair and massage into scalp to create a lather. Leave in for 3-5 minutes to allow the active ingredients to activate fully, then rinse gently.

Follow with Dp Dermaceuticals EXO-GROW CONDITIONER.

EXO-GROW COLOUR™ RECHARGE SHAMPOO BAR



1. Wet the scalp and hair or beard sufficiently with lukewarm water.

2. Rub EXO-GROW COLOUR RECHARGE SHAMPOO BAR lightly through wet hair. (You will experience the formation of rich bubbles).

TIP: For best efficacy, rub a toothbrush on the bar and rub into the root of the hair where the grey is more persistent.

3. Massage into the entire scalp or beard. Leave for 3-5 minutes, then rinse thoroughly with lukewarm water.

EXO-GROW™ CONDITIONER



After rinsing out EXO-GROW SHAMPOO, apply EXO-GROW CONDITIONER to wet hair and massage into scalp to create a lather. Leave it for more than 5 minutes to allow the active ingredients to fully activate, then rinse gently.

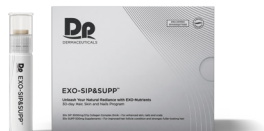
DIRECTIONS FOR USE

EXO-GROW™ LASH&BROW



Apply to the root of CLEAN upper and lower lashes and brows using the dual-ended applicator, twice daily. Wait 3-5 minutes or until completely dry before applying any mascara. Consistent daily use is required to achieve amazing results.

SIPP&SUPP™



Once a day, consume the supplements with the liquid provided. SIP 1 bottle of 27g drink with 1 SUPP supplement tablet.



APPENDIX

Precautions: Consult your healthcare provider if you are pregnant, nursing, have a medical condition, or are taking other nutritional supplements or medications. These statements within this publication have not been evaluated by the FDA and EXO-GROW Collection or protocols are not designed to diagnose, treat or cure any disease. Results may vary. Regular and consistent usage as per instructions is required to achieve results. Formulas may vary according to region.

Trademarks: EXO-GROW, MG-EXO-GROW, EXO-GROW HAIR TONIC, EXO-GROW SCALP MASK, EXO-GROW SHAMPOO, EXO-GROW CONDITIONER, EXO-GROW COLOUR RECHARGE BAR, EXO-GROW LASH&BROW, EXO-SIP&SUPP are all trademarks licensed to DermapenWorld and its associated entities.

References:

1. KFDA Approval Certificate Data on file.
2. Images courtesy of DermapenWorld, data on file.
3. 160% higher efficiency against Minoxidil for Catagen Suppressing efficacy. 125% higher efficiency against Minoxidil for Anagen Induction efficacy.
4. Enhances lashes by more than 61% in 4 weeks. In-Vivo Myristoyl Pentapeptide-17.
5. 0% International Skin Irritation Index. Korean Institute of Dermatological Sciences - KIDS-BCH001-CUN (4).
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11. Clinically validated to help reduce inflammation by 47.1% Stemmedicare Co. Ltd, 2024, Preliminary Clinical Study Test Report.
12. Stemmedicare Co. Ltd, 2024, Preliminary Clinical Study Test Report.
13. Typical Mesenchymal Stem Cells Conditioned Media cultured in FBS (Fetal Bovin Serum). Clinical Study conducted on IMMUNE TOLERANT HLA-G EXOSOMES (Also referred to in this training as IT-HLA-G-EXO) conducted by Stemmedicare Co. Ltd et al to be published 2024, Sept 1.
14. LeMaoult, J et al FASEB J, 2013 Sep 27 (9): 3643-3651.
15. Source: StemMedicare Research.
16. *Journal of Extracellular Vesicles (2021 Impact Factor 25.841)*. Image Reference – Patent uses 7 forms of HLA-G. Immune Effector Cells - DC = Dendritic cells | Immune Effector Cells - NK = Natural Killer | Immune Effector Cells - T = T-Cells | Immune Effector Cells - B = B-Cells/B Lymphocytes. Receptors - ILT2, 4, = Leukocyte IG-like Receptor. HLA-G Effects.
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18. Polydeoxyribonucleotide Regulation of Inflammation. Carlo Galli, DDS, PhD *et al.* 2020.
19. Francesca Polito, PhD *et al.* Polydeoxyribonucleotide restores blood flow in an experimental model of ischemic skin flaps. November 04, 2011.

Fig A: Quantitative analysis of blood flow evaluated by laser Doppler is shown at 10 minutes, and at 3, 5, and 10 days after surgical procedures in the various groups. Administered vehicle or polydeoxyribonucleotide (PDRN) starting immediately after surgery. The blood flow of the ischemic flap is expressed as a relative amount compared with the intact skin.

*P < .001 vs ischemic flap + vehicle, #P < .01 vs ischemic flap + vehicle.

Fig B: Percentage of blood flow vs intact skin evaluated by laser Doppler at 3, 5, and 10 days after surgical procedures. Administered vehicle or PDRN starting immediately after surgery. The blood flow of ischemic flaps is expressed as a relative amount compared with the intact skin.
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21. For thicker, denser hair. Source: https://www.hkvitals.com/blog/science-backed-benefits-of-centella-asiatica-gotu-kola-for-hair/#Centella_Asiatica_Benefits_for_Hair.
22. Jae Young Shin *et al.*, 2020, Polygonum multiflorum extract support hair growth by elongating anagen phase and abrogating the effect of androgen in cultured human dermal papilla cells, Article 144.
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26. The F-Layer is the hair's outermost protective layer, composed of lipids and a fatty acid layer tightly joined to the cuticle, making it intensely hydrophobic and giving hair a smooth, soft appearance and feel.
27. *BioMed Research International Vol. 2015.*
28. Source: <https://www.ncbi.nlm.nih.gov/books/NBK555930/#:~:text=These%20medications%20inhibit%20the%20enzyme,prostate%20enlargement%20and%20hair%20loss>.
29. Ingredient formula featured in MG-EXO-GROW formula for these test results is ELHIBIN® RF- A biological, plant-based proteinase inhibitor system INCI - Glycine Soja (Soybean) Protein (and) Glycerin (and) Aqua (and) Disodium Cocoamphodiacetate (and) Sodium Dextran Sulfate (and) Valine (and) Glycine (and) Phenoxyethanol (and) Sodium Benzoate (and) Potassium Sorbate

EXO-GROW COMPLEXA™

Proprietary blend of proteins, peptides, and ceramides within a patented bioscience formula.

COMPLEXA:	WHICH PRODUCTS IN:
NET Awarded: (New Excellent Technology) Human Amniotic Fluid Mesenchymal stem cell EXOSOMES IT-HLA-G-EXO	MG-EXO-GROW* (5ml) EXO-GROW HAIR TONIC* (50ml) EXO-GROW LASH&BROW* (7ml) MG-EXO-SKIN* (5ml) EXO-SKIN SERUM* (30ml) EXO-SKIN MOISTURISER* (30ml) *Available in selected countries including Japan, USA, Korea.
Synthetic Biomimetic Exosomes IT-HLA-G-EXO-B	MG-EXO-GROW* (5ml) EXO-GROW HAIR TONIC# (50ml) EXO-GROW LASH&BROW# (7ml) MG-EXO-SKIN# (5ml) EXO-SKIN SERUM# (30ml) EXO-SKIN MOISTURISER# (30ml) # Available Globally.
PDRN Exosomes	EXO-GROW TONIC (50ml) EXO-SKIN SIP & SUPP (30 pcs)
Marine Collagen	EXO-SKIN SIP & SUPP (30 pcs)
Patented: Edelweiss ComplexA Leontopodium Alpinum Flower/ Leaf Extract Complex (Edelweiss)	EXO-GROW SHAMPOO (250ml) EXO-GROW CONDITIONER (250ml) EXO-GROW HAIR TONIC (50ml)
Patented: Mineral ComplexA #10-2386625	EXO-GROW SHAMPOO EXO-GROW CONDITIONER EXO-GROW HAIR TONIC EXO-GROW SCALP MASK MG-EXO-GROW (TX HAIR) EXO-GROW LASH&BROW MG-EXO-SKIN EXO-SKIN SERUM EXO-SKIN MOISTURISER EXO-SKIN COLLAGEN MASK EXO-SIP&SUPP
Ceramide ComplexA	EXO-GROW SHAMPOO EXO-GROW CONDITIONER EXO-GROW HAIR TONIC EXO-GROW SCALP MASK MG-EXO-GROW (TX HAIR) EXO-GROW LASH&BROW EXO-GROW BLACK SHAMPOO BAR MG-EXO-SKIN EXO-SKIN SERUM EXO-SKIN MOISTURISER EXO-SKIN COLLAGEN MASK EXO-SIP&SUPP
Patented: EXO-PLANT COMPLEX CICA Exosomes	EXO-GROW SHAMPOO EXO-GROW CONDITIONER EXO-GROW HAIR TONIC EXO-GROW SCALP MASK MG-EXO-GROW (TX HAIR) EXO-GROW LASH&BROW MG-EXO-SKIN EXO-SKIN SERUM EXO-SKIN MOISTURISER EXO-SKIN COLLAGEN MASK
Patented – EXO-PLANT Hasuo Plant Extract (Polygonum Multiflorum Root Water)	EXO-GROW SHAMPOO EXO-GROW CONDITIONER EXO-GROW HAIR TONIC EXO-GROW SCALP MASK MG-EXO-GROW (TX HAIR) EXO-GROW BLACK SHAMPOO BAR MG-EXO-SKIN EXO-SKIN SERUM EXO-SKIN MOISTURISER EXO-SKIN COLLAGEN MASK EXO-SIP&SUPP
Patented: EXO-GROW BioEnzymes (Bio Protease)	EXO-GROW SHAMPOO EXO-GROW HAIR TONIC EXO-GROW SCALP MASK
Patented: EXO-GROW Peptide ComplexA	EXO-GROW HAIR TONIC MG-EXO-GROW (tx Hair)
Patented: EXO-PLANT Complex Sophora Japonica Callus Culture Extract	EXO-GROW SHAMPOO EXO-GROW CONDITIONER EXO-GROW HAIR TONIC EXO-GROW SCALP MASK

GLOSSARY

IT-HLA-G-EXO	Immune Tolerant HLA-G EXOSOMES (HLA-G = Histocompatibility Locus Antigen)
EVs	Extracellular Vesicles
MSC	Mesenchymal stem cell (MSC)-derived Exosomes
AfMSC EV	Amniotic fluid-derived Fetal mesenchymal Stem Cell (MSC) Extracellular Vesicle
FBS	Fetal Bovine Serum Conditioned Media (not used in any Dp Dermaceuticals)
FCS	Fetal Calf Serum/Bovine Serum (not used in any Dp Dermaceuticals)
DSMO	(Dimethyl sulfoxide) for storage/preserver system which is considered toxic to the sensitive Ev's. (not used in any Dp Dermaceuticals)
CICA	Plant Exosome - Centella Asiatica Extract combined within EXO formula
PDRN	Marine Exosome - Polynucleotides
bFGF	Basic Fibroblast Growth Factor
VEGF	Vascular Endothelial Growth Factor
HGF/ FGF	Hepatocyte Growth Factor / Fibroblast Growth Factor
IGF	Insulin-Like Growth Factors
DHT	Dihydrotestosterone
HFDPCs	Human Follicle Dermal Papulla Cells
FPAAnA	Female-pattern androgenetic alopecia
MPAnA	Male-pattern androgenetic alopecia
FPHL	Female-pattern hair loss
MPHL	Male-pattern hair loss
TE	Telogen Effluvium
DC	Immune Effector Cells - DC = Dendritic Cells
NK	Immune Effector Cells - NK = Natural Killer
T	Immune Effector Cells - T = T-Cells
B	Immune Effector Cells - B = B-Cells/B Lymphocytes



Dermapenworld™

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www.DermapenWorld.com



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