

Dr.GRAFT Brand Introduction

The background of the slide features two bottles of Dr.GRAFT Tonic hair care product. One bottle is standing upright in the center, while the other is lying on its side in the foreground. Both bottles are white with a pump dispenser and have labels that include the brand name 'Dr.GRAFT', the product name 'Tonic', and the description 'Anti-hair loss & Scalp care'. The bottles are set against a warm, orange-toned background with several light-colored wooden blocks scattered around them.

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A Scalp Specialized Brand
Made by Doctors

Dr.Graft



Medicos Biotech's Business Strategies



MEDICAL

MCB-WH

Sold to a multinational corporation through clinical trials.

MCB-CM1

Kit development for cancer diagnosis



COSMETIC

Dr.GRAFT

Functional hair product development for hair loss mitigation

MCB-Spider silk Cosmetics

Cosmetics planning by utilizing new natural materials



BIO

Bio-Related Patents

Patent commercialization by purchasing outstanding technologies possessed by other universities as well as KAIST (to be scheduled)

A Bio Venture Company Working Together with Experts Medicos Biotech

The company was established in 2018, led by professor-turned-plastic surgeon (Severance Hospital) of Yonsei University College of Medicine and professor from KAIST. The company has been producing 100% bio-based flagship products based on the development of the next wound healing compounds and functional cosmetic products.





CEO Yoo Won Min

Professional Plastic Surgeon at Mega Graft

M.D., Ph.D. received from Yonsei Medical School

Former Professor of the department of plastic surgery at Severance Hospital of Yonsei University

Former Dean of the department of plastic surgery at Severance Hospital of Yonsei University

Director of The M plastic surgery Korea

Exchange scholar of Yale Medical School

Member of the Korea Society of Plastic and Reconstruction Surgeons

Member of the Korean Society of Aesthetic Plastic Surgery

Member of the Korean Cleft palate-craniofacial Association

Advisory doctor at Meilai Plastic Surgery hospital in China

Received Young Surgeon Scholarship from American Society of Plastic Surgery



COO Ryu Hee Joong

Professional Plastic Surgeon at Mega Graft

M.D., Ph.D. received from Yonsei Medical School,
adjunct professor at Yonsei Medical School

Trained at Thomas Jefferson University Hospital, USA

Trained at Chang Gung Memorial Hospital

Former Professor of the department of plastic surgery at
Severance Hospital of Yonsei University

Member of the Korea Society of Plastic and Reconstruction Surgeons

Member of the Korean Society of Aesthetic Plastic Surgery

Member of the Korean Cleft palate-craniofacial Association

Member of hair graft study at Korea Society of Plastic and Reconstruction Surgeons

Member of the Internal hair research study



Director of Research Institute Chung Hannah

Research Director at Medicosbiotech

Ph.D. at KAIST

Major in biochemical engineering

Major in metabolic engineering, synthetic biology

Medicos Biotech's Patents

	Content	Countries	Condition	Registration number	Registration date	Remarks
1	Method for Preparing Protein Having High Specific Amino Acid Content Through Co-expression of tRNA of Specific Amino Acid	Korea	Registration	10-1147860-0000	2012. 5. 14	Acquired 1st negotiating rights.
2		Germany	Registration	2330186	2014. 12. 31	
3		Great Britain	Registration	2330186	2014. 12. 31	
4	High Molecular Weight Recombinant Silk or Silk-like Proteins and Micro or Nano-spider Silk or Silk-like Fibers Manufactured by Using the Same	Japan	Registration	5858936	2015. 12. 25	
5		China	Registration	102906107B	2015. 05. 20	
6	Method for Preparing Recombinant Proteins Through Reduced Expression of rnpA	Korea	Registration	10-1765255-0000	2017. 07. 31	Completed technology transfers.
7		United States	Registration	15533273	2018. 07. 05	
8		China	Application	201580072797.9	2017. 07. 07	
9	Pharmaceutical Composition for Treatment of Wounds	Korea	Application	10-2018-0146287	2018. 11. 23	
10	Composition for Treating Alopecia or Stimulating Hair Growth	Korea	Application	10-2018-0146288	2018. 11. 23	
11	Composition for Cosmetics	Korea	-			Application preparation
12	Method for preparing cryogels using spider silk protein	Korea	-			
13	Method for crossing Brain Blood Barrier using MCB-BBB	Korea	-			
14	Method of reducing antibiotic usage using MCB-AB	Korea	-			
15	Method of treating spinal cord injuries using MCB-SC	Korea	-			



Technology of Only Dr. GRAFT MCB-Graft What is Different?

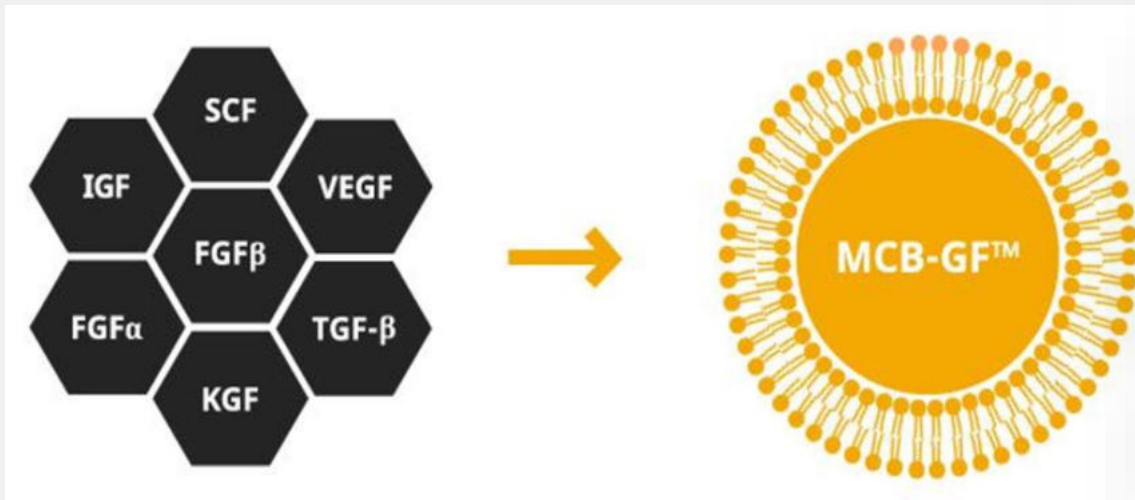


Discovery of 7 Growth Factors

Helping Mitigate Hair Loss

Discovery of 7 growth factors positively interacting with each other and ratio optimization their of help regenerate the scalp and mitigate hair loss.

- ✓ Activating dermal papilla cell generating the hair
- ✓ Promoting the division of keratinocyte cell getting involved in hair growth and hair quality
- ✓ Generating and strengthening neighboring blood vessels providing nutrients to the hair follicles supporting the hair



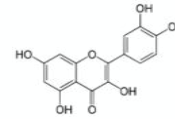
MCB-GRAFT

Formulas of Dr. GRAFT

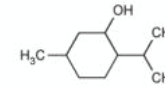
Formulated with safe-to-use materials notified by the Ministry of Food and Drug Safety, helping strengthen and moisturize the hair.

Formulated with naturally derived extracts such as urtica dioica (nettle), houttuynia cordata, etc. free from harmful ingredients to enable all family members to use.

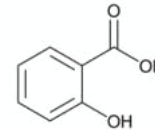
Materials notified by the Ministry of Food and Drug Safety



d-Panthenol



l-Menthol



Salicylic Acid

Hair strengthening and moisturizing



Hydrolyzed silk



Hydrolyzed collagen



Hydrolyzed keratin

Naturally Derived Extracts



Urtica Dioica (Nettle) Extract
Scalp improvement



Cnidium Officinale Rhizome Extract
Skin tissue regeneration



Houttuynia Cordata Extract
Cell promotion and generation



Acorus Calamus Root Extract
Hair root strengthening



Morus Alba Bark Extract
Skin soothing



Panax Ginseng Root Extract
Cell regeneration

Formulated by Scalp
Experts Hair Loss
Mitigation Scalp Care
Hair cosmetic

Dr.GRAFT



Dr.GRAFT Scalp Shampoo

- ✓ Hair loss mitigation
- ✓ Soft feeling in use
- ✓ Weak acidic shampoo at pH5.5
- ✓ Ample foam and strong cleansing power
- ✓ Clinically tested and proven to cause no irritation

Blackberry fragrance

It gives out fragrances of blackberry and lavender at first and then a mysterious fragrance of orchid, and a delicate fragrance of musk at the end.





Dr.GRAFT Scalp Hair Tonic

- ✓ Hair loss mitigation
- ✓ Hair getting abundant
- ✓ Freshness without stickiness
- ✓ Refreshing, cooling sensation
- ✓ Clinically tested and proven to cause no irritation

Olive fragrance

It gives out fragrances of olive and bergamot at first and then delicate fragrances of lily and violet, and a deep, delicate fragrance of musk at the end.

Dr.GRAFT

Scalp Hair Loss Shampoo 8ml*30ea

30-Day Project Pouch Set

When precious scalp and hair want fresh care every day, It is a hair loss-alleviating functional shampoo protecting the scalp and hair moistly and healthily by maintaining balance at pH 5.5.



Dr.GRAFT Scalp Hair Loss Set

Presents Confidence for a Precious Person

SCALP HAIR LOSS SAMPOO & TONIC of Dr. GRAFT making the scalp healthy and vibrant for overall environmental improvement of the scalp can be a gift satisfactory to a precious person.



Dr.GRAFT Aranea Shampoo 500ml Aranea Treatment 200ml

MCB-Formula™ & 'MCB-Silk'
together keep your scalp healthy
and moisturize damaged hair
to make it silky smooth and glossy
Available as of July 2021



Dr.GRAFT Heal & Grow 500ml

Economic Anti Hair loss shampoo



Dr. GRAFT Made with Tenacity and Belief in Efficacy

Dr.GRAFT

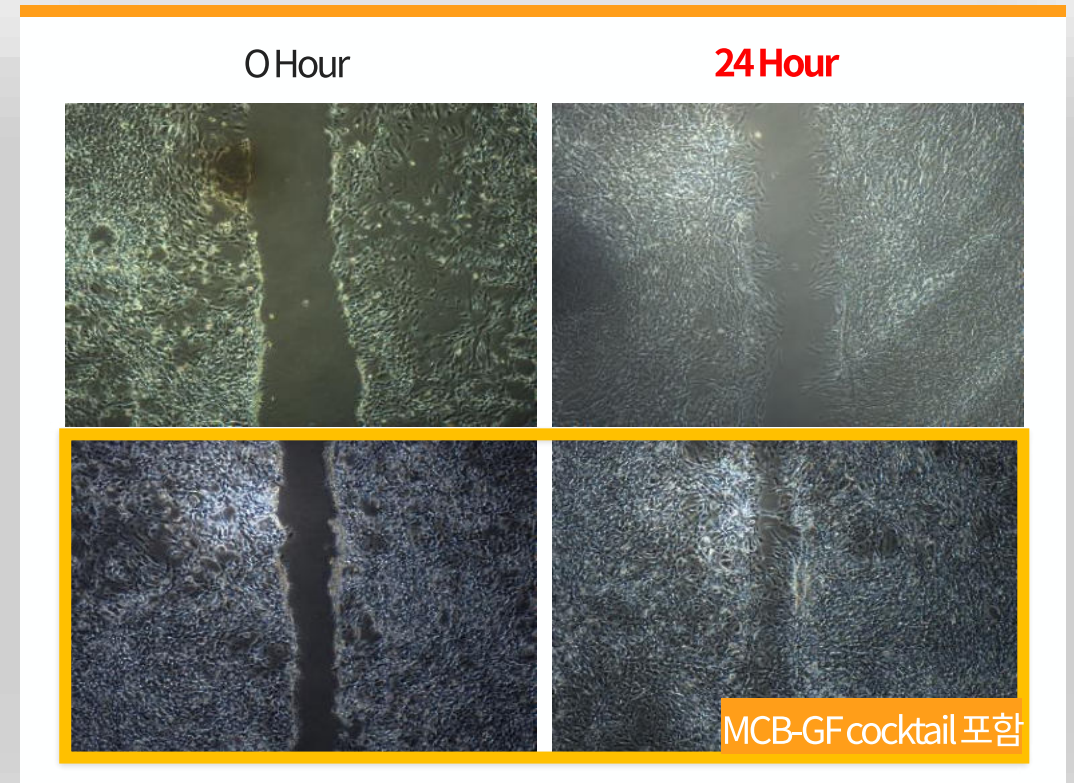
Focused Solely on the Scalp to be
Properly Formulated

Dr. GRAFT is doing its best to enable you to recover confidence
anytime, anywhere, not to mention incessant efforts to
showcase better products.



MCB-GF Cocktail Has an Excellent Effect on Skin Regeneration.

- ✓ Combination of various growth factors existing in the human body based on a thesis
- ✓ Cocktail of growth factors effective for the epidermis, dermis, and epithelium based on an experiment
- ✓ Unique materials of only MCB that have an excellent effect on skin regeneration



MCB-GRAFT That Satisfied Consumers

Evaluation of 1st Experience Group

For 3 months from December 2018 to February 2019, consumer's direct experience of Dr. GRAFT revealed that 7 (approx. 23.3%) of 30 people could confirm that their hair noticeably grew.



Australia, male (33)



Korea, female (60)



Korea, female (34)



Korea, male (52)



Male (in his 50s)
Total hair loss, dry hair



Male (in his 60s)
Hair loss on the forehead, oily hair



Male (in his 50s)
Total hair loss, oily hair



Female (in her 40s)
Alopecia areata

Dr. GRAFT Formulated based on Feedback from Consumers

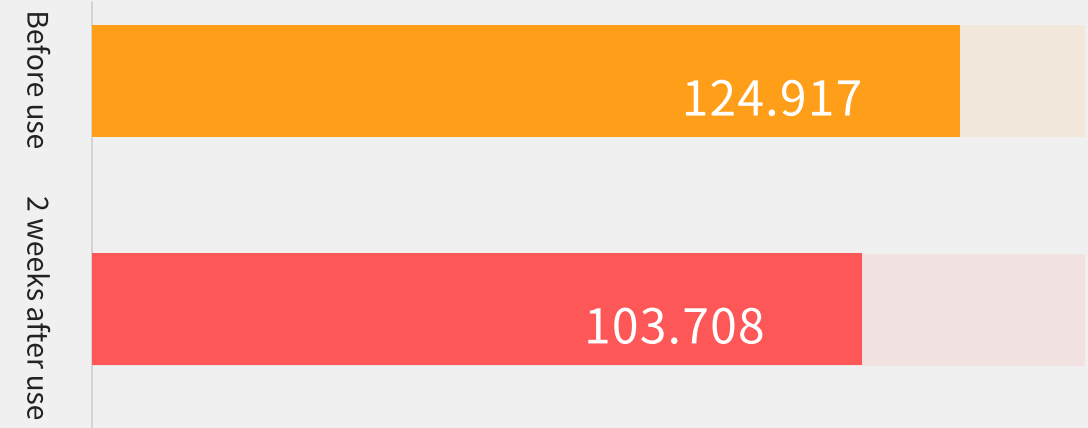
Evaluation of 2nd Experience Group

For 3 months from May 2019 to July 2019 after improving shampoo products based on feedback from 1st experience group, 2nd experience group's evaluation revealed that 8 (approx. 26.6%) of 30 people confirmed that their hair noticeably grew.

Clinical Test By



After using Dr. GRAFT products, the measurement of hair root volume showed that the volume was 124.917 before use, but it was confirmed to be 103.708 2 weeks after use, which means that it improved.

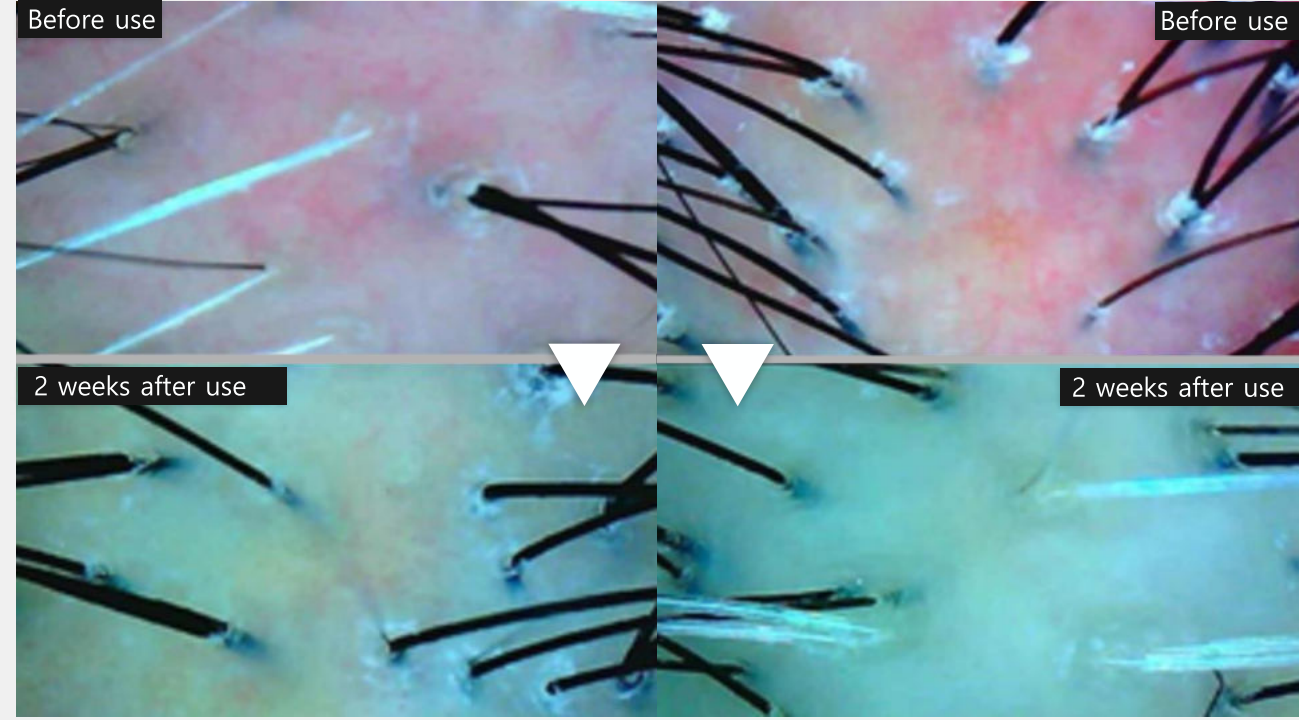


Human body application test on Dr. GRAFT Scalp Shampoo conducted by Global Medical Research Center, (research period) 2019.06.18 ~ 2019.07.18/ test code GMRC-19625-E1

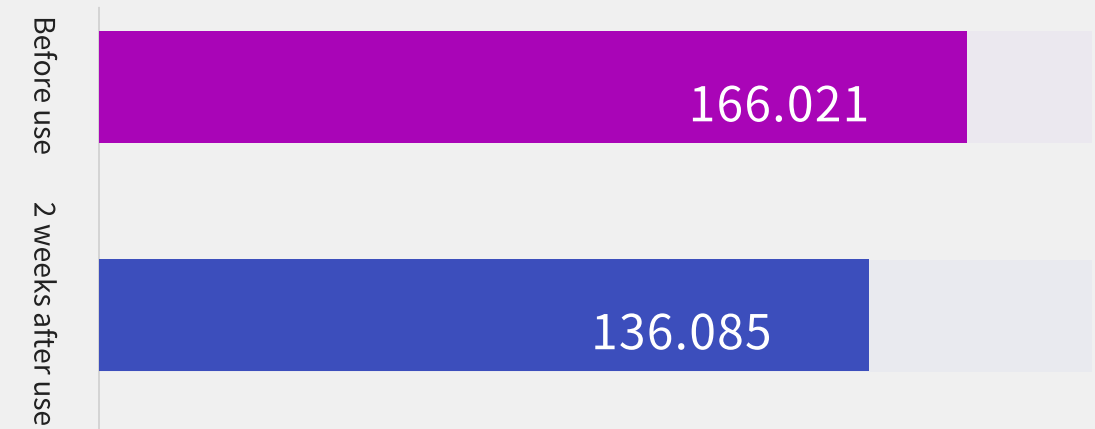


Dr. GRAFT Shampoo is Proven to be Surely Effective.

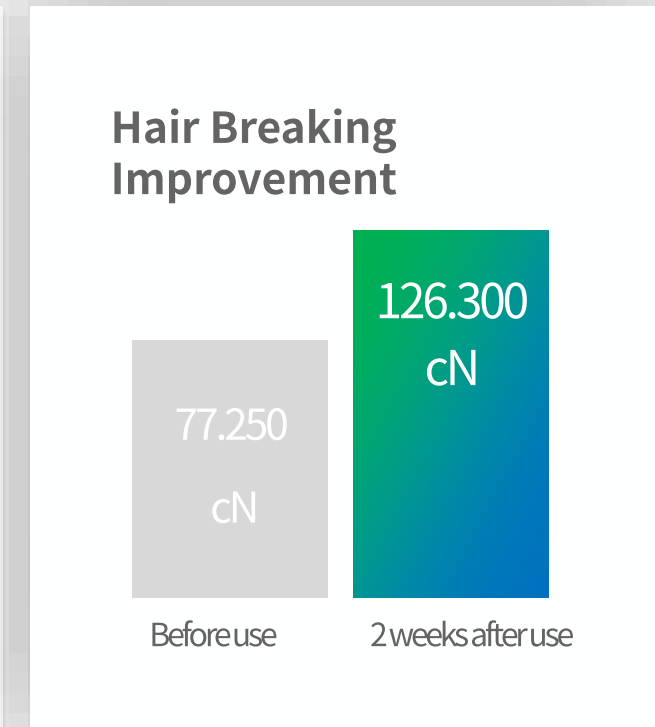
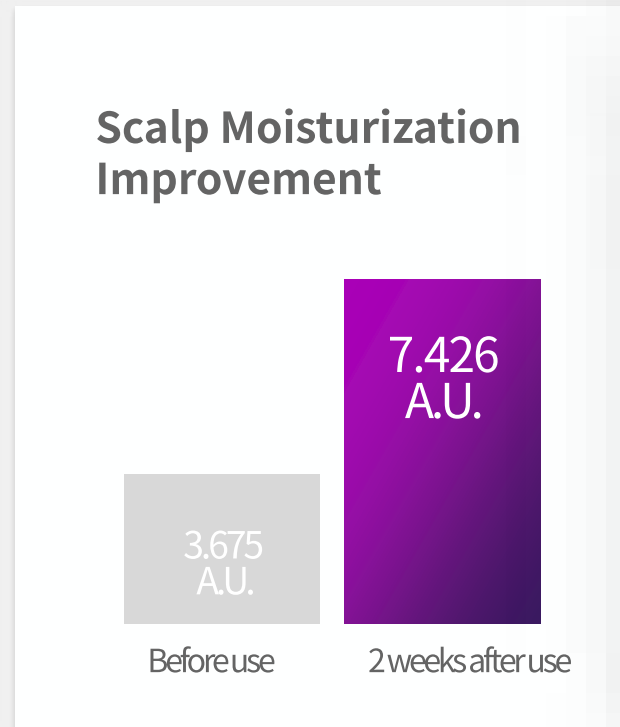
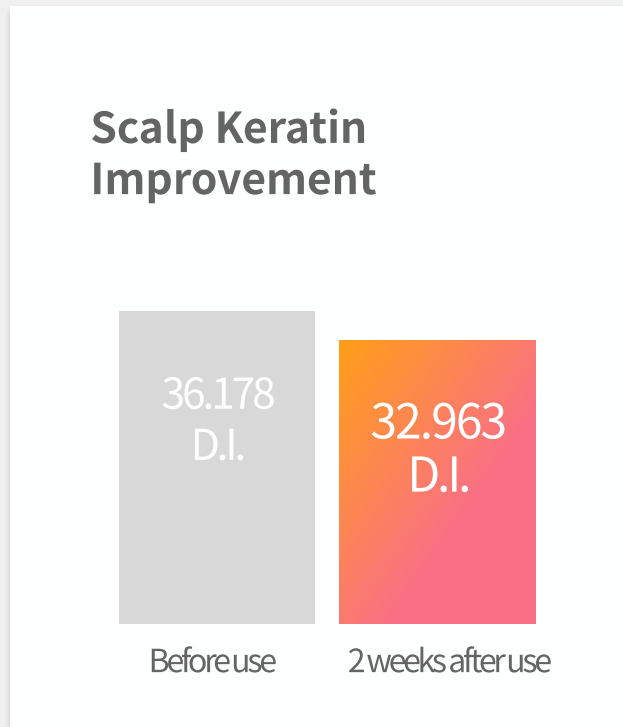
Dr. GRAFT product is excellently effective in improving a reddish color on the scalp. The scalp that showed 166.021 in a clinical trial before use could be confirmed to be 136.085 2 weeks after use, which means that reddish color of the scalp improved.



Human body application test on Dr. GRAFT Scalp Shampoo conducted by Global Medical Research Center, (research period) 2019.06.18 ~ 2019.07.18/ test code GMRC-19625-E1



Dr. GRAFT Shampoo Correctly Provides Scalp Health.



Human body application test on Dr. GRAFT Scalp Shampoo conducted by Global Medical Research Center, (research period) 2019.06.18 ~ 2019.07.18/ test code GMRC-19625-E1

Comparative Experiment of MCB-Graft with Competing Products in Korea

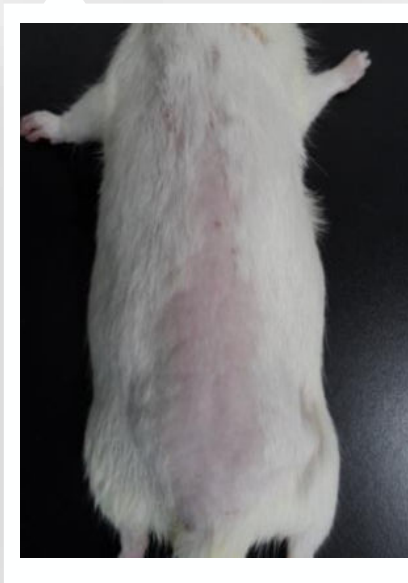
Confirmation of Effect on Dr. GRAFT through a 2-Week Non-clinical Trial



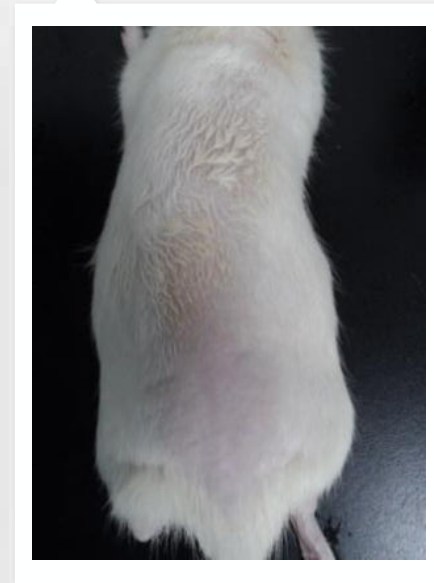
Dr.GRAFT
Medicos Biotech



Dr.oot**
L* Life Science



Moje***
Moje*** Hospital



T* Shampoo
T* Trillion



Korea No.1 Mobile Beauty Critic App, Whahae evaluated Dr. Graft in October 2020



Analysis of Whahae Keyword

Rank	Keyword	Score(100)
1	Fragrance	82.76
2	Bubble	79.92
3	Hair Loss	58.33
4	Detergency	80.00
5	Freshness	100.00
6	Formulation	42.86
7	Soft	100.00
8	Moisture	100.00
9	Jet	66.67

Comparison with competitors in Korea (Shampoo) (Tonic)

Brand	Rate
Dr. Graft	★4.35
Dr for Hair	★3.45
Labo H	★4.19
Dr. Groot	★3.62
TS	★3.39
Aheads	★3.67
Dr. Banggiwon	★3.80
Kundal	★3.45
Dr. Adol	★4.14

Brand	Rate
Dr. Graft	★4.09
Aromatica	★4.07
Seedmul	★3.76
Silk therapy	★3.53
Dr for Hair	★3.89
Everytoktok	★4.27
Chungmijung	★4.09
Ryo	★3.50
Dalif	★4.15

Medicos Biotech's Overseas Certification

Completed Registration with the USFDA
Registration DONS No. 695067951

Received Approval from Japan's PMDA
Registration No. 99CZ999999

Registration with CPNP
Reference No: 3606331, 3606332

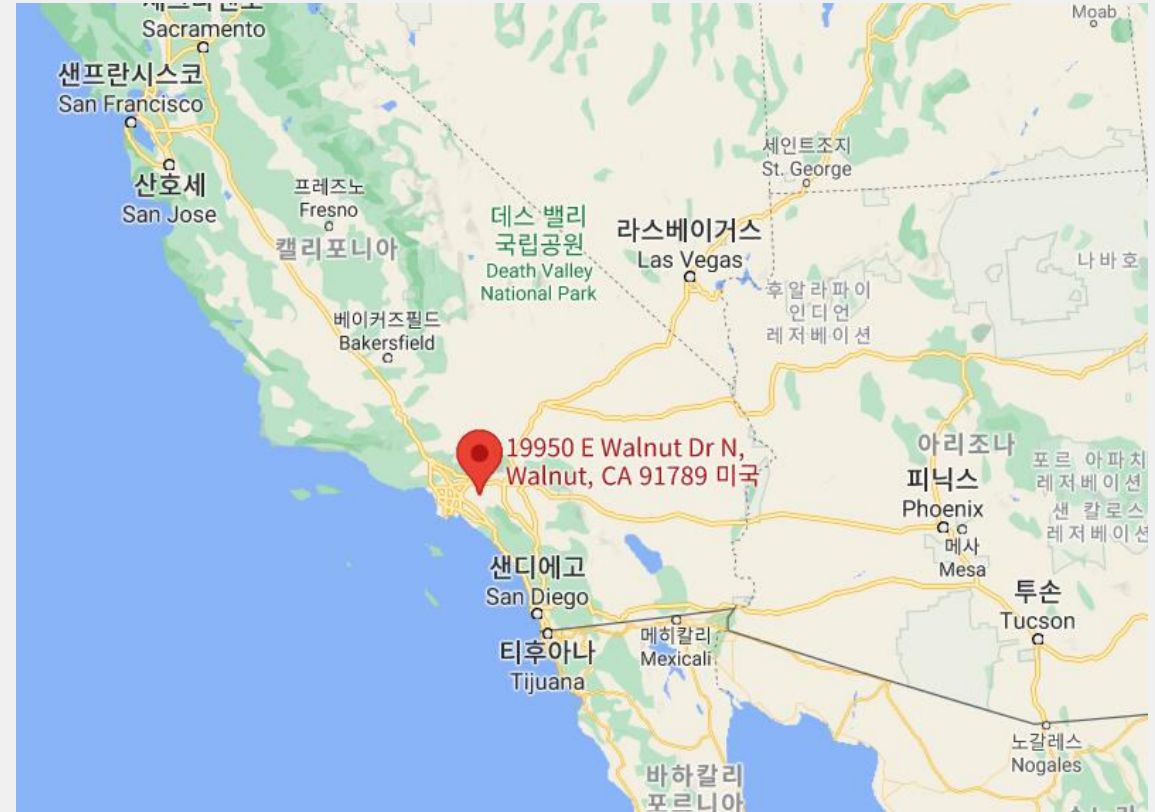


Dr. Graft Sales at Drug store nationwide



Medicos Biotech's Warehouse in the USA

19950 E Walnut Dr N, Walnut,
CA 91789



Product Description	Size cm	Unit	Net Weight(Kg)
Dr. Graft Scalp Tonic	400*259*170	40	10.00
Dr. Graft Scalp Shampoo	390*327*200	30	13.00

Seoul Innovative Award Selected



Dr. Graft Video Achieves

<https://youtu.be/29P3epQr70k>

<https://youtu.be/7ehg6FQ7nik>

https://youtu.be/BGKTa_ZNipl

<https://youtu.be/ZWbpcW6NFd8>

<https://youtu.be/MLbZNSJpuU0>

We Are Medicos Biotech



Mission

Medicos Biotech is putting all of its efforts into research and development for a beautiful and healthy life through biotechnology. **The increasing life expectancy keeps raising our interest in beauty and health.** Medicos Biotech is making its effort to provide better products through research and development to meet consumer's needs.

Dr.GRAFT

Thank you

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