BEREUM Korea No.1 Postbiotics

Specializing in Postbiotics field for over 30 years. World's highest rate of concentrated heat-killed probiotics per gram (7.5 trillion / g)

Trusted by over 250 companies, (Foods & Supplements) over 200 brands in Korea uses bereum postbiotics.

Key Features

- Regullstes gut & immunity
- Trillron cell concentration
- Heat / Acid resistancy
- HALAL, FSSC22000, HACCP, FDA Registration
- Vegan Postbiotics, Human Microbiome Postbiotics

Strains - EF-2001 (Enterococcus faecalis) - Lb. casei - Lb. plantarum Œ - Lb. acidophilus -- Lb. Paracasei

Our postbiotics cultivation process











Flask cultivaton

100L tank cultivation

Main tank cultivation







Powderization(Spray Dryer)







HANARIN®

POSTBIOTICS ANTI HAIR LOSS SHAMPOO

For your confident daily life

Bereum HanaRin Postbiotics Anti Hair loss shampoo



The Brand, 'HANARIN'

Hanarin means 'to be pure from the sky' in Korean.

Like the meaning of Hanarin, It is a premium line of cosmetic brand that combines the desire of bereum to create pure and good products with Postbiotics Microbiome Technology.



HANARIN-Postbiotics Anti-Hair loss shampoo

Take Care of your precious hair with Clinically Proven Microbiome formula Experience the Gentle Yet Powerful Results

Unique charm of the Hanarin Anti-Hair loss shampoo

No.1 Postbiotic

Grow your Healthy Microbiome with 1 trillion Cell of Patented EF-2001 Postbiotics

Clinically verified

Anti-Hair Loss, hair density and Scalp condition Improvement

Refreshing

Noticeable cleansing effect even with just one time use

Eco-friendly

Healthy fruit extract, natural 10-black food



Amaging Experience based on True Story!







BOM Group is a conglomerate operating group in five European countries, engaged in the manufacturing and distribution of health functional foods, coffee, salt, and real estate business. Our European partner Mitar who is one of the board member of Bom group was half-bald and had been taking Minoxidil for Hair loss prevention and regrowth. He was only interested in Postbiotics Supplement before he felt the real effect of Hanarin Anti-Hair Loss Shampoo.





He decided to try the formula instead of taking Minoxidil with our recommendation.

He stopped applying Minoxidil almost for 2 month, lost lot's of hair bu never gave up. 2 month later, He finally started to use Hanarin Anti Hair loss shampoo for 2month. The result was really amazing, He figured out he brought back lot's of hair again. He got to have no need for Minoxidil anymore, feeling More comfortable with daily use of shampoo, Not medicine.



With the fantastic experience, our partner decided to add Cosmetic Line to their plan. Vitamed and bereum has signed a comprehensive supply agreement with not only for supplements but also for a range of five cosmetic products, as part of their aggressive marketing strategy to penetrate the European market.

Partner's remarkable experience with the products seems to have had a definite impact. The Postbiotics Cosmetics and Supplement brand will be launched Around this second half of 2023 in more than 5 countries in EU including Germany and Austria, Mainly in Pharmacy channel.

Point 01

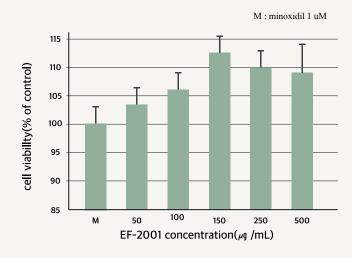
Postbiotics for hair loss care!

1 trillion EF-2001 Postbiotics cell Added

patented ingredient for anti hair loss

*EF-2001 Postbiotics(Patent No. 10-1996079)

In vitro test (Anti Hair loss Effect compared to minoxidil)



This is a study that confirms the degree of cell growth after treating human dermal papilla cells with minoxidil or different concentrations of Enterococcus faecalis EF-2001 bacteria.

As a result, as shown in Figure 1, it was confirmed that the cell growth of human breast cells treated with Enterococcus faecalis EF-2001 was enhanced by up to 12.4%, compared to the positive control group treated with minoxidil



발명의 명칭 Title of the Invention 엔테로코커스 패칼리스를 유효성분으로 함유하는 탈모 예방 또는 치료용 조성물

특허권자 Patentee 등록사항란에 기재

발명자 Inventor 등록사항란에 기재



위의 발명은 「특허법」에 따라 특허등록원부에 등록되었음을 증명합니다.

This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.



2019년 06월 27일 특허청장 COMMISSIONER,

|청

COREAN INTELLECTUAL PROPERTY OFFIC

박원주

Point 01

Effect of EF-2001 on HDPC Proliferation

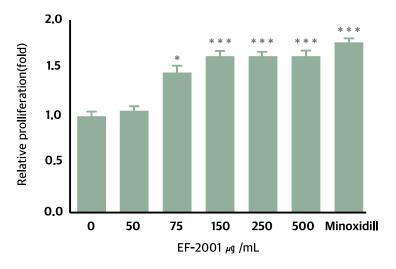
The proliferation rate of HDPCs **increased significantly comapared to MINOXIDIL** after treatment with EF-2001 (at 50, 75, 150, and 250 μ g/mL for 48 h.) At 150–500 μ g/mL EF-2001, HDPC proliferation increased 1.5-fold



Result

EF-2001 increased the expression.

These results demonstrate the potential impact of EF-2001 on hair regrowth.



HDPCs are the positive cells placed at the very bottom of the hair roots. A lot of cells are clustered together and protected by hair follicles. They store the raw materials of hair and supply nutrients to the capillaries to help growth cells.

The germinal matrix that receives this nutrients is based on this to form protein, which can be seen as a way for hair to grow well..

Point 02

Powerful cleansing!

guarantee 95% cleansing power through clinical trial



Table 3. Improvement rates of waste material in scalp (%)

	Aft	er one-time use
Improvement rates (%)		94.62
Improvement rate (%) =	Post – Pre Measured value Before the application	- X 100

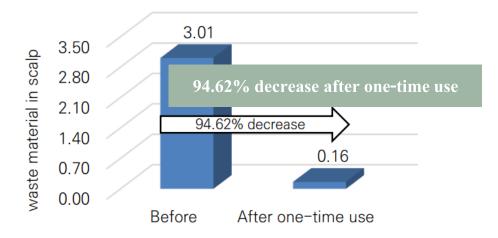


Figure 4. Changes and improvement rates of waste material in scalp(%).



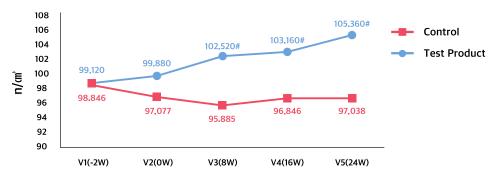
Point 03

KFDA Approval Anti-Hair Loss Formula



Clinical test

Hair Density



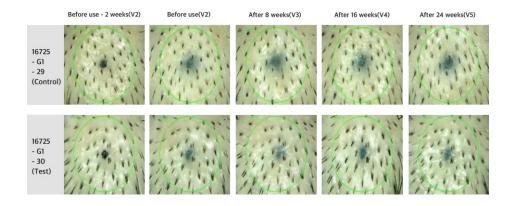
Singnificant difference compared to Visit 2 (Week 0)

Study Design

Formula: Biotin, Dexpanthenol, Nicotinamide, Zinc, Pyrithione

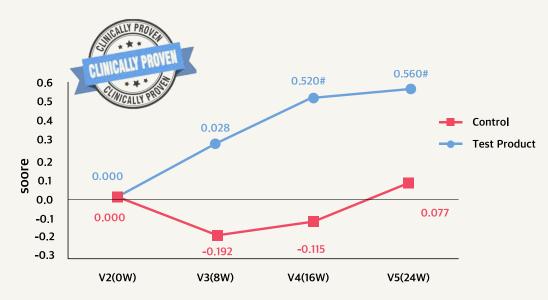
Period: 24 weeks Subject: 56

Eveluation: Hair density, visual, hair loss improvement, hair thickness improvement



Point 03

Visual assessment



#:p<0.017(=5%3)by Friedman test,post hoc, Wilcoxon signed rank test with Bonferroni correction

Result

effect of using the test product showed a significant increase (p < 0.017) In contrast, the control group did not show any significant changes at any time point compared to before use.



As shown in the visual assessment graph below, after 24 weeks of using the formula, it is visually apparent that the user's hair has improved.

Point 04

5a-AVOCUTA

Active ingredient from green chemistry

"Butyrospermum Avocadoate," which is extracted from avocado.

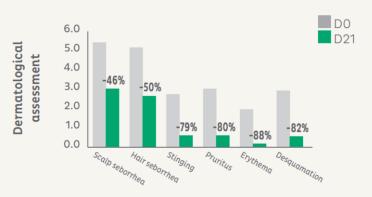
Plant esters from avocado oil Regulating excessive sebum production.

(19) 대한민국국 기 v (12) 등록특허공보(B1) (19) 대한민국특허청(KR) (45) 공고일자 2007년10월04일 (73) 특히전자 (51) Int. Cl. 라보라뜨와르 웨스중상스 (21) 출원번호 10-2002-7009245 (72) 항명자 (22) 출원일자 2002년07월18일 시가,필리돼 프랑스,F-7508화리,웨다르카레트,226 번역문제순일자 2002년07월18일 피키틸리,앙트와네 프랑스.F-78000배르사이유.아브뉘데레게타리니 공개인자 2002년11월22일 레그랑드, 샤크 (86) 국제중심위호 PCT/FE2001/000168 국제삼선일자 2001년01월18일 (87) 국제공개번호 WD 2001/52837 국제공개인자 2001년07월25일 (30) 유선권주광 00/00677 2000년01월18일 프랑스(FK (56) 전략기술조사문헌 (뒷면색 계속) 전체 정구함 수 : 총 5 함 (54) <mark>5발과 레덴마아계 중성을 법제하도록 디자인된 조성들을</mark>세조하기 위한 약리학, 목히 피부 의학, 화장등에 있어서의 하나 이상의 지방 에스테르의 송도 및 식용점가제로서의 이외 송도 본 발명은 5말과 비덕라아계 활성을 억제하도록 디자인된 조성들을 제조하기 위한 하나 이상의 지방 에스테르의 용도에 전한 것이다. 남기 용도는 5일후 비리타아워의 현리한 막혀 호가를 산용하여, 5일후 비리타아워 활성의 선정적이거나 후전적인 강조 인자와 전략은 피부 백현 및/또는 질환, 특히 전염선 비리, 전염선 선구, 자동, 자 다 <mark>계루, 참모는 및 다모등을 제로</mark>하기 위한 신규 반응을 제공한다. 본 방병은 또한 통해 <mark>개명 제루의 때문 제</mark>로 방법, 및 사람 및/또는 등을 섭취용 식품의 청가계로서의 상숙한 지방 에스페르의 용도에 관한 것이다.

Effect on hair

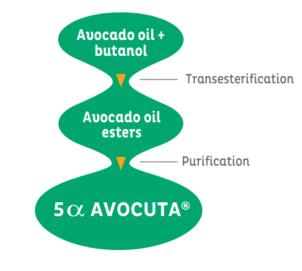


The cumulative surface area of lipid spots decreased by an average of 69% (13 subjects), demonstrating a marked slowing down of sebaceous gland activity.



The seborrhea was reduced by approximately half, while the stinging, pruritus, erythema and desquamation that frequently accompany seborrheic conditions had practically disappeared.

PROCESS





Lastly the volunteers confirmed these results

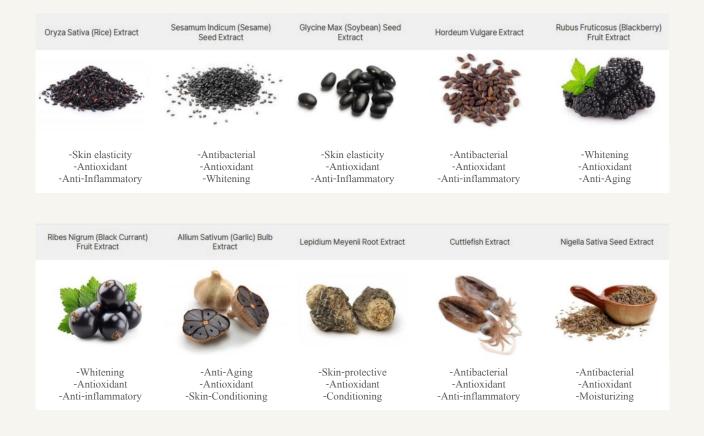
improvement of greasy appearance of hair	78%
soothing effect on irritation	63%
reduction of dandruff	67%

Point 05

Natural black food

Contains 10 kinds of natural black food included!

Such as black beans, black sesame, and black rice extract, which assists hair growth.



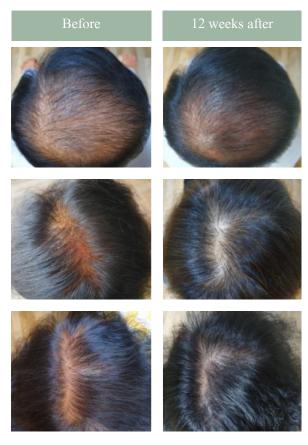


Figure 1. Image showing the haid condition after 12 weeks

Hair growth promotion with black soybean extract : case series.(2021)

Scalp led to hair growth promotion, which is thought to result from activated breast papillary cells, expanded capillaries, and improved blood flow.

Point 06

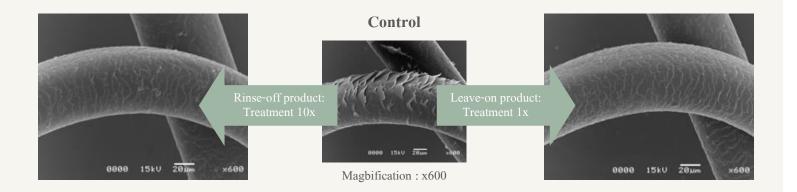
Hair Condition Improvement Formula

AQUAXYL

Xylitylglucoside - Anhydroxylitol - Xylitol - Glucose

"Combination of Glucose and Xylitol extracted from Oak and Hovenia dulcis trees."

"Moisturizes and softens rough hair."



"Confirmed to have excellent visual improvement effects on the surface due to enhanced retention and prevention of moisture loss."



(12) United States Patent

Stoltz et al.

US 8,088,742 B2 (10) Patent No.: (45) Date of Patent: "Jan. 3, 2012

54)-	POLYOL-GLYCOSIDE COMPOSITIONS FOR	
	THE CVIV	

(75) Inventors: Corinne Stoltz, Thiais (FR); Christine Garcia, Castres (FR); Jean-Pierre Boiteux, Saix (FR): Hervé Rolland, Castres (FR); Guy Tabacchi, Paris (FR); Alain Milius, Nice (FR)

(73) Assignee: Societe d'Exploitation de Produits pour les Industries Chimiques (SEPPIC), Paris (FR)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1297 days.

> This patent is subject to a terminal disclaimer.

(21) Appl. No.: 10/513,643

Apr. 30, 2003

(86) PCT No.: PCT/FR03/01364 § 371 (c)(1).

(2), (4) Date: Dec. 12, 2005

(87) PCT Pub. No.: WO03/094864

PCT Pub. Date: Nov. 20, 2003

Prior Publication Data

US 2006/0088491 Al Apr. 27, 2006

Foreign Application Priority Data

(51) Int. Cl.

21.3	DR. C.	
	ABIN 43/84	(2006.01)
	A01N 31/00	(2006.01)
	A61K 31/70	(2006.01)
	A61K 31/045	(2006.01)
	C07H L/00	(2006.01)
	C07H 15/04	(2006.01)

(52) U.S. Cl. 514/23; 514/738; 536/1.11; 536/120 (58) Field of Classification Search .

514/738; 536/1.11, 120 See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

4.122.206	Α	*	10/1978	Burge et al	. 426/548
4.618.675	Λ	+	10/1986	Lightenthalor et al	536(17.2
5.814.310	Α	*	0.1998	Nagy et al	424/65
5.891.854	Α		4/1999	Thierm et al.	

POREIGN PATENT DOCUMENTS

EP	0.770.378	5/1997
FR.	2 730 409	8/1996
GB	884961	* 12/1961
JP	10-158151	* 6/1998
WO	WO 96 25142	8:1996

OTHER PUBLICATIONS

Lower, E. (1997) The cosmetic advantages of polyglycerols. Manufactoring Chemist, vol. 68, No. 11, p. 30-32.*

Trincone, A., Improta, R., Gambacorta, A. (1995) Enzymatic Synthesis of Polyol- and Masked Polyol-Glycosides Using β-Glycosiduse of Sulfolobus solfatarieus. Biocatalysis and Biotunsformation, vol. 12, p. 77-88.*

Psychines, M. [Academic Dissertation] (2008) Pentitol phosphate dehydrogenases: Discovery, characterization and use in D-arabital and sylitel production by metabolically engineered Banillus redolls.*

International Search Report for PCT/FR03/01364.

Batabase CA 'en ligne'; Chemical Abstracts Service, Columbus, Ohio, US; Matsuzzwa, Sachiye et al.: "Moisturizing cosmetics containing succharides" retrieved from STN Database accession No. 127:23570, XP002229201; and JP 09 077650, Ajmornoto Co., Inc., Japan, Mar. 25, 1907.

Batabase CA 'on lignel; Chemical Abstracts Service, Columbus, Ohio, US; Ushara, Shizuka et al.: "Rough skin-preventing and antinging cosmetics" setrieved from STN Database accession No. 132:283941 XP002229202: and JP 2000 119155. Kosei Co., Ltd., Japan, Apr. 25, 2000.

Patent Abstracts of Japan, vol. 012, No. 283 (C-518), Aug. 3, 1998, and JP 63 063390, Kao Cosp. Mar. 19, 1988.

Database WPL Section Ch. Week 197744, Derwent Publicaitons, Ltd., London, GB; Class A96, AN 1977-78724Y, XP002229203; and JP 52 114027, lizuku), Sep. 24, 1977.

* cited by examiner

Primary Examiner - Searlett Goon

(74) Attorney; Agent, or Fire - Young & Thompson

ABSTRACT

The disclosure discusses polyol-glycoside compositions for topical use. The invention provides compositions containing an efficient amount of polyol-glycoside obtained from the acatalization of a polyol with a reducing sugar. Applications for the composition include counctics, pharmaceuticals, and textile treatments.

7 Claims, No Drawings

BeauPlex ® VH

All-in-one Vitamin Compound for successful Hair care!

Well-balanced composition of various vitamins provides the ideal biological activity for cosmetic formulations.

This active compound provides strengthens hair while energizing and activating the cells

Helps prevent hair loss

>> improves hair density and thickness!



From 128 to 164 hairs/a



after 5-month treatment with Beauplex.

28% increase on hair density



Anti-aging

>> Helps reduce the appearance of greying hair <anti-oxidant properties>

Results after 4 months treatment Leave-on BeauPlex ® VH



Example : volunteer #60

Darker hair appearance after 4 months. 7% reduction of grey hair with Beauplex.

We recommend for it!

"Now, with confidence and courage, take off your hat!"

"For you with thin and weak hair"

"For you who experiences a significant amount of hair loss"

"For you who is concerned about dandruff, inflammation, and sebum."

"For you who require management for genetic, stress-induced, postpartum."



"For you who seeking \high-performance functional shampoos."

"For you who lack hair volume"

"For you who wish to maintain a confident appearance."

Product name

Hana-rin Shampoo

Volume

350g/12.35 oz

How to use

After thoroughly wetting your hair and scalp with warm water, apply 3-5ml evenly to the scalp and massage gently. Then, remove the foam on for more than 3 minutes before rinsing thoroughly.

How to store

Avoid direct sunlight and store at room temperature

Product name

HANA-RIN Postbiotics Anti-hair loss shampoo

Volume 350g/12.35 oz,

Manufacturing number and expiration date indicated separately on the product

Consumer consultation 02-561-1185

Brand Owner

bereum Co., Ltd., 32 Bansan 1-ro, Munmak-eup, Wonju-si, Gangwon-do

Instructions for use

- After thoroughly wetting the hair and scalp with warm water, massage 3-5ml evenly onto the scalp.
- Wait for at least 3 minutes with the foam on, then rinse thoroughly.

Precautions for use



If you experience abnormal symptoms or side effects such as red spots, swelling or itching on the area of use after using the cosmetic or after exposure to direct sunlight, consult a specialist.



Refrain from using on areas with wounds.



Precautions for storage and handling

- 1) Store out of reach of children,
- 2) Avoid direct sunlight and store at room temperature
- I. Use only on the external genital area and do not use inside the m. vagina.
- n. Use according to the prescribed method and dosage.
- O. Do not use on infants under 3 years of age.
 It is advisable not to use during pregnancy, and do not use around the external genital area immediately before childbirth

Ingredients

Water	Maltodextrin		
Disodium Laureth Sulfosuccinate	Calcium Pantothenate		
Acrylates Copolymer	Xylitol		
Sodium C14-16 Olefin Sulfonate	Butylene Glycol		
Lauryl Glucoside	Sodium Ascorbyl Phosphate		
Polyquaternium-7	Glucose		
Lauramine Oxide	Tocopheryl Acetate		
Zinc Pyrithione	Pyridoxine HCl		
Citric Acid	1,2-Hexanediol		
Panthenol	Glycine Max (Soybean) Seed Extract		
Sodium Benzoate	Allium Sativum (Garlic) Bulb Extract		
Glyceryl Caprylate	Lepidium Meyenii Root Extract		
Fragrance	Hordeum Vulgare Extract		
Niacinamide	Rubus Fruticosus (Blackberry) Fruit		
Guar Hydroxypropyltrimonium	Extract		
Chloride	Ribes Nigrum (Black Currant) Fruit		
Ethylhexylglycerin	Extract		
Biotin	Cuttlefish Extract		
Enterococcus Faecalis	Sesamum Indicum (Sesame) Seed		
Sodium Polynaphthalenesulfonate	Extract		
Butyl Avocadate	Nigella Sativa Seed Extract		
Xylitylglucoside	Oryza Sativa (Rice) Extract		
Anhydroxylitol	Tocopherol		
Amylodextrin	Silica		