사내교육용

Company Researching Healthy Future

bionutrigen

건강한 미래를 연구하는 기업

INTRODUCTION

Company researching healthy future

(주)바이오뉴트리젠은 한국생명공학연구원, 서울대, 충남대, 공주대, 경북대 등의 과학자들이 중심이 되어 설립된 바이오 벤처기업입니다.

21세기에는 생명공학이 우리주변 전 영역에서 큰 혁명을 일으킬 것으로 예측됩니다. 특히 인간수명은 빠른 속도로 길어져서 80~100세 시대를 맞이 했습니다.

당사는 인류의 건강하고 풍요로운 삶을 위해 우리가 안전하게 섭취할 수 있는 식물성, 식품성 성분의 연구를 통해 몸매 및 체중관리, 지방대사 개선, 혈당대사 개선, 노화억제, 기초체력 증진에 필요한 기술 및 제품을 생산 판매하기 위하여 설립되었으며, 아름다운 몸매 유지, 건강 증진 등에 필요한 중요한 생물소재들을 식용의 야채, 과일, 약초 등에서 연구 개발하는데 성공하여 E.U, 미국, 중국, 러시아, 일본 등 전 세계에서 활발한 성과를 이루고 있습니다.

저희 회사의 모든 임직원들은 모두 힘을 합하여 세계 초일류 기업으로의 성장을 목표로 최선을 다하고 있습니다.

Bionutrigen Co. Ltd is a bio venture company organized by scientists, mainly from Korea Research Institute of Bioscience and Biotechnology, Seoul National University, Chungnam National University, Kongju National University and Kyongbuk National University.

It is expected that biotechnology will produce a great revolution in all fields around us in the 21st century. In particular, we face the era of 80 – 100 years old with a rapidly prolonged life span.

Our company has been established to produce and sell the technologies and products required to maintain body shape and body weight, improve fat metabolism, improve blood sugar metabolism, prevent aging and promote basic physical strength through research on plants and plant ingredients which we can safely take for a healthy and prosperous life for the mankind. We successfully developed important biological materials required to maintain a beautiful body shape and promote health through research on edible vegetables, fruits and herbs. We have actively obtained achievements in many places in the world such as E.U., USA, China, Russia and Japan.

All executives and employees of our company do our best to aim at becoming a world-class company by pulling all together.

(株)Bionutrigen是一家以韩国生物工程研究院, 首尔大学, 忠南大学, 公州大学, 庆北大学等学术研究机构为中心, 设立的高新技术企业。

在21世纪, 生物工程将给我们生活的各个领域带来巨大的革命。特别是. 人类寿命快速延长, 进入80~100岁的时代。

本公司为了人类的健康和生活幸福, 通过对我们可以安全食用的植物, 食品成分进行研究, 生产和销售些可实现体形及体重管理, 改善脂肪代谢和糖代谢, 抑制老化, 增强基础体力所需要的技术及产品。成功从食用蔬菜, 水果, 中草药等中开发出可以维持美丽体形, 增进健康的重要生物材料, 在E.U, 美军部队, 中国, 俄罗斯, 日本等全世界众多地区, 取得丰硕的成功。

本公司全体职工齐心协力, 为成长为世界超一流企业而不懈 努力。

대표이사 약력 CEO Biography

대표이사 복 성 해
(Song-Hae Bok, PH.D.)

학 력 Education

1966 서울대학교 농생물학 학사
Bachelor's degree in Agricultural Biology at Seoul National University

1972 미국 MIT공대 대학원 생물화학공학 석사
Master's degree in Biochemical Engineering at the Graduate School of MIT in the USA

1976 미국 펜실바니아 주립대 미생물학 박사
Ph.D. in Microbiology at the Pennsylvania State University in the USA

연구 업적 Research Achievements

무독성 심장순환기 질환 예방치료제 개발(JBB1~15)
Development of non-toxic therapeutic agents to prevent cardiovascular diseases (JBB1~15)

항비만 식품 소재 개발 (Slim&Slim)
Development of anti-obesity food materials (Slim & Slim)

간건강, 간해독 작용 식품 소재 개발 (JBB20)
Development of food materials for liver health and liver detoxification (JBB20)

수상실적 Awards

1997 특허청 특허기술분야 세종대왕상
King Sejong Award in the Patent Technology area at the Korean Intellectual property office

2001 제4회 대한민국 농업과학기술상 산업포장 수상
The 4th Korean agricultural Science and technology Industrial package award

2001 21세기 저명한 과학자 선정
Selected as a distinguished scientist in the 21st Century, 2001

2001 세계 인명사전 The Marquis Who's Who in the World 등재
Listed in The Marquis Who' s Who in the World which is a Dictionary of International Biography

2007 Top 100 scientist 2008 선정
Selected as Top 100 scientists in 2008

2008 제43회 발명의 날 석탑산업훈장 수상
Tin Tower Order of Industrial Service Merit in the 43rd Day of Invention in 2008

2018 한국발명진흥회 실리콘밸리 발명전시회(SVIIF) 금메달
Received Gold medal from Silicon Valley International Invention Festival, 2018

연구논문 및 특허 Research papers and patents

208편의 국내외 논문 · 학술강연
208 domestic & international papers and lectures

235건의 특허출원 · 등록
Registered 235 patent applications

경 력 Career experience

1999 한국생명공학연구원 원장
-02 President, Korea Research Institute Bioscience and Biotechnology

2000 과학기술부 생명공학종합정책 심의위원
-02 Review committee, biotechnology comprehensive policy in Ministry of Science and Technology

2000 보건복지부 보건의료기술정책 심의위원
-02 Review committee, health care technology policy in Ministry of Health and Welfare

2000 산업자원부 산업기술정책 심의위원
-02 Review committee, Industrial technology policy in Ministry industry and Energy

2001 대통력직속 국민경제자문회의 위원
-02 Presidential national Economic Advisory Council member

2002 (주)바이오뉴트리젠 대표이사
-현재 CEO of Bionutrigen Co. Ltd

2004 건양대학교 제약공학과 석좌교수
-06 Endowed-Chair Professor in Department of Pharmaceutics & Biotechnology at Konyang University

2010 대전광역시 식품산업정책분과위원회 위원
-현재 Food Industry Policy Division Committee member in Daejeon metropolitan city

2011 식품의약품안전청 신소재과학전문가 자문위원
-현재 Advisory committee member of new material scientific experts at Ministry of Food and Drug safety

Bionutrigen **Slim&Slim** (RAW MATERIAL)

SLIM&SLIM

GOJIBERRY FATCLEAN

효능 Efficacy/效能

- 비만관리 Healthy Weight / 预防肥胖
- 체지방 관리 Healthy Body Fat levels / 减少体脂肪
- 혈중지질 관리 Healthy Lipid levels / 预防高脂血症
- 중성지방 관리 Healthy Triglyceride levels / 减少中性脂肪
- 아름다운 몸매관리 beautiful body line / 美丽身材

응용 Applications/应用

- 건강기능식품 원료 (다이어트)
  Raw materials of health functional foods (diet) / 健康功能食品原料 (减肥)
- 각종 Wellbeing식품
  (음료, 차, 주스, 스낵, 양념, 빵, 김치류, 유제품, 피자, 햄버거, 치킨 등)
  Various Wellbeing products (drinks, tea, juice, snacks, condiments, bread, kimchi, dairy products, pizza, burgers, chicken, etc.)
  各种 Wellbeing食品 (饮料, 茶, 果汁, 零食, 调料, 面包, 腌菜类, 乳制品, 披萨, 汉堡包, 炸鸡等) 注册7件韩国专利

장점 Benefits/优点

- 국내 특허등록 7건/해외 PCT 미국, 유럽 출원
- 전세계 미군부대에 Slim2 다이어트차로 납품 중
- 천연식품 식물 추출물(부작용 NO)
- 수용성 원료로 각종 응용이 용이
- 동물실험(쥐), 간이 인체/임상 실험 완료
- 농림 기술개발 과제 수행 '성공' 결과물
- 프랑스, 독일에 다이어트용 원료 수출

- Registration of 7 domestic patents / application for international PCT in the US and EU
- Delivery of Slim2 diet teas to the US Army in the world
- Natural food plant extracts (NO side effects)
- Various applications are made easily with soluble materials
- Animal experiments (rats), a simple human body / completion of clinical trials
- Outcomes of 'success' in a project for agriculture and forestry technology development
- Export of raw materials for diet to France and Germany

- 申请海外PCT美国, 欧洲
- Slim2 减肥茶向全世界美军部队供货中
- 天然食品植物提取物(无副作用)
- 水溶性原料易于各种应用
- 完成动物实验(鼠), 肝脏人体/临床实验
- 展开农林技术开发课题 '成功' 的 成果
- 向法国, 德国出口减肥用原料

쥐의 지방 세포의 크기

Size of the fat cells of rats / 实验鼠的脂肪细胞大小

Nomal Control	Slim&Slim	High Fat Control	Fatclean
247.36μm	232.41μm	472.26μm	260.99μm

쥐의 지방 감소

Reduction of fats in rats / 实验鼠的脂肪减少

쥐의 혈중 지질 수준

Lipid levels in the blood of rats / 实验鼠的血中脂质水平

Bionutrigen JBB20 (RAW MATERIAL)

JBB20은 폴리페놀계 물질 또는 바이오플라노보이드계 물질을 함유하는 식약처에 식품으로 허가되어 있는 식물들의 추출물을 포함하는 혼합 추출물이다.

JBB20 is a mixed extract including plant extracts which contain polyphenols or bioflavonoids and are approved by Ministry of Food and Drug safety as foods.

JBB20含有多酚类物质, 以及生物类黄酮类物质, 由食药署认可的食品性植物提取物混合而成。

JBB20 | JBB20 GOLD | JBB20 PLUS

효능 Efficacy/效能

- 숙취 해소 Anti-hangover / 缓解宿醉
- 피로 회복 Energy & Stamina up / 缓解疲劳
- 간건강 관리 Liver health up/ 肝健康

응용 Applications/应用

- 각종 건강 음료 및 차 Various healthy drinks and teas / 各种健康饮料及茶
- 해장/안주용 음식 Relief of hangover/Foods for appetizer/ 清肠/下酒食物
- 기능성 식품 원료 Raw materials for functional foods / 功能性食品原料

장점 Benefits/优点

- 특허등록 (10-501351:식물추출물을 포함하는 숙취해소용 조성물)
- 천연식품 식물 추출물(부작용 NO)
- 수용성 원료로 각종 응용이 용이
- 동물실험(쥐), 간이 인체/임상실험 완료
- 중기청 기술혁신연구과제 수행 '성공' 결과물
- 2005 대만국제발명회 '은메달'
- 2005 헝가리 발명가 협회 '알콜킬러상' 수상
- 2018 실리콘밸리 발명전시회(SVIIF) 금메달

- Patent registration (10-501351 : composition to relieve a hangover including plant extracts)
- Natural food plant extracts (NO side effects)
- Various applications are made easily with soluble materials
- Animal experiments (rats), a simple human body / Completion of clinical trials
- Outcomes of 'success' in project for technology innovation research in Small and Medium Business Administration
- 'Silver medal' in the Taiwan International Invention exhibition 2005
- 'Alcohol killer award' in Hungarian inventors' association 2005 award.
- 'Gold medal' in Silicon Valley International Invention Festival, 2018.

- 专利注册 (10-501351:含有植物提取物的缓解宿醉用组合物)
- 天然食品植物提取物(无副作用)
- 水溶性原料易于进行各种应用
- 完成动物实验(鼠), 肝脏人体/临床实验
- 展开中小企业厅技术革新研究课题獎 '成功' 的成果
- 2005年臺灣国际发明会 "银牌"
- 2005年荣获匈牙利发明者协会 "酒精杀手" 奖
- 2018年硅谷发明展(SVIF)金奖

지방간화 억제

Inhibition of fatty liver / 抑制脂肪肝

정상생활을 한 쥐의 간 Liver of a rat that lives a normal life 正常生活的实验鼠肝脏	술을 2주 동안 섭취한 쥐의 간 Liver of a rat that takes alcohol for 2 weeks 2周摄入酒後的实验鼠肝脏	술과 JBB20을 2주 동안 함께 섭취한 쥐의 간 Liver of a rat that takes both alcohol and JBB20 for 2 weeks 2周同时摄入酒和JBB20的实验鼠肝脏
간상태:정상 Nomal Liver 正常	간상태:지방간 Fatty Liver 脂肪肝	간상태:정상 Nomal Liver 正常

알코올(에탄올)을 15일 동안 투여 후의 간을 해부해본 결과 JBB20을 함께 투여한 쥐의 간은 정상이었고 알코올만 섭취한 쥐의 간은 80%이상 지방간화가 진행된 것을 확인하였다. (술:23도 소주 1병(사람의 경우)을 2주 동안 섭취)

As the result of dissection of the liver of a rat which takes alcohol (ethanol) for 15 days, it is found that the liver of a rat that takes alcohol together with JBB20 is normal but the liver of a rat that takes only alcohol progresses to more than 80 % of fatty liver.
(It is equal to the case in which one who takes a bottle of Soju at 23 proofs for 2 weeks)

15天摄入酒精(乙醇)后，肝脏解剖的结果显示，与JBB20一同服用的实验鼠肝脏正常，而只服用酒精的实验鼠肝脏则80%以上发展为脂肪肝。(酒:23度的烧酒1瓶 (以人为准)摄入2周)

EU 임상 연구

EU Clinical trials / EU 临床研究

Bionutrigen **Products Information**

1. Liver health / Anti-Hangover / Energy drink Products

- JBB20시리즈를 주성분으로 하여 개발된 간건강, 숙취, 피로회복, 활력 제품군
- Product groups developed for health of liver, solution of hangover, recovery of fatigue and vitalization with JBB20 series as the main ingredient
- 以JBB20为主成分开发的保肝护肝, 缓解宿醉, 缓解疲劳, 增强活力的产品系列

위하여 Wehayeah
(bottle)

위하여 Wehayeah
(stick)

Wehayeah Plus
(stick)

JBB20 Collagen Jelly
(stick)

Liver supplement
(stick)

Wehayeah Plus
(bottle)

JBB20Red Ginseng
(bottle)

Nature's Energizer
(bottle)

HANG AWAY
(can)

※UKON & Hovenia shows no ability to detoxify alcohol.
JBB20 shows strong efficacy for detoxification of alcohol etc.

Time (min)	Control	ハウス食品株式会社 UKON NO CHIKARA SUPER	Hovenia Dulcis Thunb (枳椇子)	Silymarin (Milk thistle)	JBB20	JBB20 GOLD	JBB20 PLUS
0	0.057	0.053	0.064	0.062	0.052	0.042	0.076
15	0.054	0.05	0.053	0.055	0.037	0.031	0.011
30	0.037	0.04	0.037	0.031	0.029	0.025	0.020
45	0.031	0.026	0.032	0.027	0.023	0.019	0.023
60	0.022	0.023	0.024	0.022	0.017	0.014	0.021
75	0.018	0.018	0.021	0.018	0.013	0.010	0.013
90	0.013	0.014	0.016	0.015	0.009	0.006	0.009
105	0.009	0.009	0.011	0.012	0.005	0.002	0.000
110	-	-	-	-	0.003	0.000	
120	0.006	0.007	0.007	0.009	0.002		
130	-	-	-	-	0.000		
135	0.003	0.005	0.004	0.004			
150	0.001	0.002	0.002	0.000			
155	0.000	0.000	0.000				

2. Diet / Beauty Products

· Slim&Slim, Gojiberry Fatclean을 활용하여 개발된 다이어트 미용 제품군
· Diet beauty product groups developed by using Slim&Slim, Gojiberry Fatclean
· 利用Slim&Slim, Gojiberry Fatclean开发的减肥美容产品系列

Slim&Slim

Gojiberry Fatclean

Body Slimming

Slim&Slim Collagen Jelly

Slim&Slim Diet Coffee

3. Meal replacement / Energy food Product

· JBB20, Gojiberry Fatclean을 활용하여 영양 발란스, 체중관리, 건강관리, 식사대용, 간식용 제품
· Products developed for nutritional balance, body weight management, health management, meal replacement and snacks by using JBB20, Gojiberry Fatclean
· 利用JBB20, Gojiberry Fatclean开发作烏营养均衡, 体重管理, 健康管理, 饮食代用, 零食用途的产品

Hepaclean meal

Fatclean meal

Energy Bar

Slim Diet Bar

4. Other Products

· JBB20, Gojiberry Fatclean을 활용하여 개발된 해장, 체중관리, 건강관리용 면류, 양념류, 커피 제품
· Noodles, condiments and coffees developed for hangover solution, body weight management and health management by using JBB20, Gojiberry Fatclean
· 利用JBB20, Gojiberry Fatclean开发作烏清肠, 体重管理, 健康管理面用途的食类, 调料类, 咖啡产品

Slimming Noodle

Health Noodle

Slim Seasoning

Anti-Hangover Noodle

JBB20 Energy Coffee

5. OEM Products

Wehayeah-gold
S.Korea

Fresh morning
China

FanDetox
Russia

P-Plus
Taiwan

Liver essence
Hong Kong

Liver supplement
U.S.A

Slim²
U.S.A

Slim by Slim
Russia

Exporting countries

World's Top Class Company Bionutrigen

Bionutrigen will continue to develop new pharmaceutical materials, and funcional food and beverage grade materials to achieve the goals.
Bionutrigen 将继续开发新的医药原料, 以及功能性食品和饮料级材料来实现这些目标。

EU · Russia · China · Taiwan · Japan · U.S.A · Canada
Vietnam · India · Hong Kong · Singapore · Philippines · Sweden

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Ver3.

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Liver Health

BIONUTRIGEN
www.bionutrigen.com

JBB20™

Food ingredient for Liver Health

All men and women who want to benefit for
liver health and increasing energy

Health Benefits

RAW MATERIALS

- Liver health
- Anti-hangover
- Fatigue recovery
- Energy up
- Skin health
- Antioxidation

Product name	Type of products	Country of origin	Supplier
JBB20™	Food ingredient for Liver Health	Republic of Korea	Bionutrigen Co., Ltd

Raw material for Liver Health

JBB20™

Product Description

Feature

- The proprietary formula for liver health.
- Natural food type of ingredient extracted from vegetable, fruits and herbs.

Advantage

- No side-effects with natural food type of substance.
- Promote metabolism and contribute to fatigue recovery and physical reinvigoration.
- Beneficial for maintaining health of alcoholic fatty liver and non-alcoholic fatty liver.
- Contain abundant polyphenol, bioflavonoid, antioxidant, vitamin, minerals and phytochemical useful for boosting metabolism.

References

- Received Olympic Memorial medal at Taiwan International Invention show for "Alcohol Killer," October 1, 2005
- Received silver medal at Taiwan International Invention show for "Alcohol Killer," October 1, 2005
  : The vegetable & fruit extract composition having excellent effect in control of alcoholic hangover)
- Received Gold medal at Seoul International Invention Fair, December 1, 2012
  : A composition of plant extracts effective for reduction of alcoholic hangover)
- Patent Registration in South Korea, July 20, 2005
  : A composition of plant extracts effective for reduction of alcoholic hangover (Korea Patent No. 0504351)
- Completed the EU clinical trial in 2013

Ingredient

JBB20™

Food ingredient for liver health.

End product

JBB20 Wehayeah

Powder tea for anti-hangover based on JBB20 ingredient.

Liver Supplement™

Liver Health tea based on JBB20 ingredient.

Hepaclean meal

Health meal replacements based on JBB20 ingredient.

Onlyoung JBB20 Collagen Jelly

Health jelly by adding collagen based on JBB20 ingredient.

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Liver Health

BIONUTRIGEN
www.bionutrigen.com

JBB20™ Plus

Food ingredient for Liver Health

All men and women who want to benefit for
liver health and fatigue recovery

Health Benefits

RAW MATERIALS

- Liver health
- Anti-hangover
- Fatigue recovery
- Energy up
- Antioxidation
- Skin health

Product name	Type of products	Country of origin	Supplier
JBB20™ Plus	Food ingredient for Liver Health	Republic of Korea	Bionutrigen Co., Ltd

Raw material for Liver Health

JBB20™ Plus

Product Description

Feature

- The proprietary formula for liver health
- Use JBB20PLUS upgraded food ingredient for liver health developed by patent technology by adding fruit extracts such as lemon, blueberry, cherry and apple into JBB20 health food ingredient and by increasing natural polyphenol amounts and ultimately reinforcing anti-oxidant effects.

Advantage

- No side-effects with natural food type of substance.
- Promote metabolism and contribute to fatigue recovery and physical reinvigoration.
- Contain abundant polyphenol, bioflavonoid, antioxidant, vitamin, minerals and phytochemical useful for boosting metabolism.

Market

- Export to E.U, Russia and Thailand etc.

Ingredient

JBB20™Plus

Health food ingredient that reinforced antioxidant effect by increasing fruit amounts based on JBB20.

End product

Wehayeah Plus (Powder)

Powder tea for anti-hangover excellent not only in antioxidant effects, but in anti-hangover and fatigue recovery by increasing more fruit amounts than previous products based on JBB20 Plus.

Wehayeah Plus (Drink)

Anti-hangover drink that adjusted taste and flavor fit to anti-hangover drink based on JBB20 Plus.

JBB20 Red Ginseng

Red ginseng drink that reinforced functions by adding red ginseng based on JBB20 Plus.

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Liver Health

bionutrigen
www.bionutrigen.com

JBB20™ Gold

Food ingredient for Energy Drink

All men and women who want to benefit for increasing energy, fatigue recovery and liver health

Health Benefits

RAW MATERIALS

- Fatigue recovery
- Energy up
- Liver health
- Antioxidation
- Skin health

Product name	Type of products	Country of origin	Supplier
JBB20™ Gold	Food ingredient for Energy Drink	Republic of Korea	Bionutrigen Co., Ltd

Raw material for Energy Drink

JBB20™ Gold

Product Description

Feature

- No-caffeine, no-sugar energy drink ingredient.
- Natural food type of ingredient extracted from vegetable, fruits and herbs.
- Upgraded food ingredient that adjusted taste and flavor fit to energy drinks based on JBB20 health food ingredient developed by patent technology.

Advantage

- No side-effects with natural food type of substance.
- Promote metabolism and contribute to fatigue recovery and physical reinvigoration.
- Contain abundant polyphenol, bioflavonoid, antioxidant, vitamin, minerals and phytochemical useful for boosting metabolism.

Market

- Export to Canada, USA, EU, Russia, Thailand and China etc.

Ingredient

JBB20™Gold

Health food ingredient that reinforced antioxidant effect by increasing fruit amounts based on JBB20.

End product

Nature's Energizer

No-sugar, no-caffeine energy drink without side-effects based on JBB20 Gold ingredient.

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Slimming

BIONUTRIGEN
www.bionutrigen.com

Slim & Slim™

Food ingredient for Diet

All men and women who want to benefit for
beautiful body shape, skin beauty and metabolism

Health Benefits

RAW MATERIALS

- Beautiful body shape
- Skin beauty
- Healthy lipid metabolism
- Cardiovascular health
- Antioxidation

Product name	Type of products	Country of origin	Supplier
Slim & Slim™	Food ingredient for Diet	Republic of Korea	Bionutrigen Co., Ltd

Raw material for Diet

Slim & Slim™

Product Description

Feature

- The proprietary formula for anti-obesity.
- Natural food type of ingredient extracted from vegetable, fruits and herbs that help maintaining beautiful body shape and skin.
- Advanced health bio well-being ingredients useful for beautiful body shape, cardiovascular health and diabetes metabolism.

Advantage

- No side-effects with natural food type of substance.
- Help to maintain beautiful body shape and skin by improving lipid metabolism.
- Contain abundant bio-dietary fiber, antioxidant, tannin, catechin, polyphenol, bioflavonoid helpful for improving lipid metabolism.

References

- Received Gold medal at Seoul International Invention Fair, December 3, 2011
  : A Composition of plant extracts or powder for animal or human body weight reduction
- Patent Registration in USA, January 11, 2011
  : Powder or extracts of plant leaves with anti-obesity effects and anti-obesity food comprising them (US Patent 7867525)
- Patent Registration in Europe, November 23, 2011
  : Food for preventing fatness and hyperlipidemia (EP Patent 1855549)

Ingredient

Slim&Slim

Anti-obesity food item.

End product

Slim&Slim™

Diet powder tea for export that adjusted taste and flavor fit to diet products based on Slim&Slim ingredient.

Onlyoung Collagen Jelly

Skin cosmetics and diet jelly by adding collagen and grenade based on Slim&Slim ingredient.

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Liver Health

bionutrigen
www.bionutrigen.com

JBB20™
Wehayeah Plus

Powder Tea for Anti-Hangover

All men and women who want to benefit for anti-hangover, fatigue recovery and liver health

Health Benefits

- Anti-hangover
- Fatigue recovery
- Liver health
- Energy up
- Antioxidation
- Skin health

Product name	Type of products	Country of origin	Supplier
JBB20 Wehayeah Plus	Powder tea for Anti-Hangover	Republic of Korea	Bionutrigen Co., Ltd

JBB20™

Powder Tea for Anti-Hangover Wehayeah Plus

Package Unit

4.5g
/small sachet,
5 small sachets
/case,
10 cases/box,
20 boxes/carton

Intake Method

Take it with water when you need it for anti-hangover and liver health.

Product Description

Feature

- Use JBB20PLUS, liver health food ingredient, extracted from vegetable, fruits and herbs.
- Use JBB20PLUS upgraded food ingredient for liver health developed by patent technology by adding fruits such as lemon, blueberry, cherry and apple into JBB20 health food material and by increasing natural polyphenol amounts and ultimately reinforcing antioxidized effects.

Advantage

- No side-effects with natural food type of substance.
- Promote metabolism and contribute to hangover recovery, fatigue recovery and physical reinvigoration.
- Contain abundant polyphenol, bioflavonoid, antioxidant, vitamin, minerals and phytochemical useful for boosting metabolism.

References

- Received Olympic Memorial medal at Taiwan International Invention show for "Alcohol Killer," October 1, 2005
- Received silver medal at Taiwan International Invention show for "Alcohol Killer," October 1, 2005
  :The vegetable & fruit extract composition having excellent effect in control of alcoholic hangover.
- Received Gold medal at Seoul International Invention Fair, December 1, 2012
  : A Composition of plant extracts effective for reduction of alcoholic hangover.
- Patent Registration in South Korea, July 20, 2005
  : A composition of plant extracts effective for reduction of alcoholic hangover (Korea Patent No. 0504351)
- Completed the EU clinical trial in 2013

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Liver Health

bionutrigen
www.bionutrigen.com

JBB20™ Wehayeah

Powder Tea for Anti-Hangover

All men and women who want to benefit for anti-hangover, fatigue recovery and liver health

Health Benefits

- Anti-hangover
- Fatigue recovery
- Liver health
- Energy up
- Antioxidation
- Skin health

Product name	Type of products	Country of origin	Supplier
JBB20 Wehayeah	Powder tea for Anti-Hangover	Republic of Korea	Bionutrigen Co., Ltd

JBB20™

Wehayeah

Powder Tea for Anti-Hangover

Package Unit

4.5g
/small sachet,
5 small sachets
/case,
10 cases/box,
20 boxes/carton

Intake Method

Take it with water when you need it for anti-hangover and liver health.

Product Description

Feature

- Use JBB20, liver health food ingredient, developed by patent technology.
- Use JBB20 natural food type of ingredient extracted from vegetable, fruit and herbs.

Advantage

- No side-effects with natural food type of substance.
- Promote metabolism and contribute to alcoholic hangover recovery, fatigue recovery and physical reinvigoration.
- Contain abundant polyphenol, bioflavonoid, antioxidant, vitamin, minerals and phytochemical useful for boosting metabolism.

References

- Received Olympic Memorial medal at Taiwan International Invention show for "Alcohol Killer," October 1, 2005
- Received silver medal at Taiwan International Invention show for "Alcohol Killer," October 1, 2005
  :The vegetable & fruit extract composition having excellent effect in control of alcoholic hangover.
- Received Gold medal at Seoul International Invention Fair, December 1, 2012
  : A Composition of plant extracts effective for reduction of alcoholic hangover.
- Patent Registration in South Korea, July 20, 2005
  : A composition of plant extracts effective for reduction of alcoholic hangover (Korea Patent No. 0504351)
- Completed the EU clinical trial in 2013

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Liver Health

BIONUTRIGEN
www.bionutrigen.com

Liver Supplement™

Powder Tea for Liver Health

All men and women who want to benefit for liver health and fatigue recovery

Health Benefits

- Liver health (beneficial for fatty liver)
- Fatigue recovery
- Skin health
- Anti-hangover
- Energy up
- Antioxidation

Product name	Type of products	Country of origin	Supplier
Liver Supplement™	Powder tea for Liver Health	Republic of Korea	Bionutrigen Co., Ltd

Powder Tea for Liver Health

Liver Supplement™

Package Unit

4.5g per sachet,
15 sachets/box,
98 boxes/carton

Intake Method

Take it with water when you need it for anti-hangover and liver health.

Product Description

Feature

- Use JBB20, liver health food ingredient, developed by patent technology.
- Use JBB20 natural food type of ingredient extracted from vegetable, fruit and herbs.

Advantage

- No side-effects with natural food type of substance.
- Promote metabolism and contribute to liver health, fatigue recovery and physical reinvigoration.
- Beneficial for maintaining health of alcoholic fatty liver and non-alcoholic fatty liver.
- Contain abundant polyphenol, bioflavonoid, antioxidant, vitamin, minerals and phytochemical useful for boosting metabolism.

References

- Received Olympic Memorial medal at Taiwan International Invention show for "Alcohol Killer," October 1, 2005
- Received silver medal at Taiwan International Invention show for "Alcohol Killer," October 1, 2005
  :The vegetable & fruit extract composition having excellent effect in control of alcoholic hangover.
- Received Gold medal at Seoul International Invention Fair, December 1, 2012
  :A composition of plant extracts effective for reduction of alcoholic hangover.
- Patent Registration in South Korea, July 20, 2005
  : A composition of plant extracts effective for reduction of alcoholic hangover (Korea Patent No. 0504351)
- Completed the EU clinical trial in 2013

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Slimming

BIONUTRIGEN
www.bionutrigen.com

Slim & Slim™

Powder Tea for Diet

All men and women who want to benefit for beautiful body shape, skin beauty and entire body metabolism

Health Benefits

- Beautiful body shape
- Skin health
- Healthy lipid metabolism
- Reducing body fat
- Cardiovascular health
- Antioxidation

Product name	Type of products	Country of origin	Supplier
Slim & Slim™	Powder tea for Diet	Republic of Korea	Bionutrigen Co., Ltd

Food ingredient for Diet

Slim & Slim™

Package Unit

6g per sachet,
15 sachets/box,
92 boxes/carton

Intake Method

Take it with water when you need weight balance.

Product Description

Feature

- Use Slim&Slim, anti-obesity food ingredient, developed by patent technology.
- Use advanced health bio well-being ingredients Slim&Slim beneficial for beautiful body shape, cardiovascular health and diabetes metabolism.

Advantage

- No side-effects with natural food type of substance.
- Contain garcinia cambogia and green tea extracts that inhibit carbohydrates being integrated into fat and help to reduce body fat.
- Help to maintain beautiful body shape and skin by improving lipid metabolism.
- Contain abundant bio-dietary fiber, antioxidant, tannin, catechin, polyphenol, bioflavonoid helpful for improving lipid metabolism.

References

- Received Gold medal at Seoul International Invention Fair, December 3, 2011
  :A Composition of plant extracts or powder for animal or human body weight reduction.
- Patent Registration in USA, January 11, 2011
  : Powder or extracts of plant leaves with anti-obesity effects and anti-obesity food comprising them (US Patent 7867525)
- Patent Registration in Europe, November 23, 2011
  : Food for preventing fatness and hyperlipidemia (EP Patent 1855549)

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Liver Health

BIONUTRIGEN
www.bionutrigen.com

Recover
Wehayeah Plus

Anti-Hangover Drink

All men and women
who want to benefit
for anti-hangover,
fatigue recovery and
liver health

Health Benefits

- Anti-hangover
- Fatigue recovery
- Liver health
- Energy up
- Antioxidation
- Skin health

Product name	Type of products	Country of origin	Supplier
Wehayeah Plus	Anti-Hangover Drink	Republic of Korea	Bionutrigen Co., Ltd

Recover
Wehayeah Plus

Anti-Hangover Drink

Product Description

Feature

- Use JBB20PLUS natural food type of ingredient for liver health extracted from vegetable, fruit and herbs.
- Use JBB20PLUS upgraded food ingredient for liver health developed by patent technology by adding fruits such as lemon, blueberry, cherry and apple into JBB20 health food ingredient and by increasing natural polyphenol amounts and ultimately reinforcing antioxidized effects.

Advantage

- No side-effects with natural food type of substance.
- Promote metabolism and contribute to liver health, fatigue recovery and physical reinvigoration.
- Contain abundant polyphenol, bioflavonoid, antioxidant, vitamin, minerals and bio-dietary fiber useful for boosting metabolism.

Intake Method

Drink if you need for anti -hangover and liver health

Package Unit

100ml/bottle, 10 bottles/in-box, 50 bottles/carton

References

- Received Olympic Memorial medal at Taiwan International Invention show for "Alcohol Killer," October 1, 2005
- Received silver medal at Taiwan International Invention show for "Alcohol Killer," October 1, 2005
  :The vegetable & fruit extract composition having excellent effect in control of alcoholic hangover.
- Received Gold medal at Seoul International Invention Fair, December 1, 2012
  :A composition of plant extracts effective for reduction of alcoholic hangover.
- Patent Registration in South Korea, July 20, 2005
  : A composition of plant extracts effective for reduction of alcoholic hangover (Korea Patent No. 0504351)
- Completed the EU clinical trial in 2013

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Liver Health

BIONUTRIGEN
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JBB20™ Red Ginseng

Red Ginseng Drink

All men and women
who want to benefit
for liver health,
fatigue recovery
and immunity

Health Benefits

- Liver health
- Fatigue recovery
- Enhancing immunity
- Anti-hangover
- Energy up
- Skin health
- Blood circulation
- Memory improvement
- Antioxidation

Product name	Type of products	Country of origin	Supplier
JBB20 Red Ginseng	Red Ginseng Drink	Republic of Korea	Bionutrigen Co., Ltd

JBB20™
RedGinseng

Red Ginseng Drink

Product Description

Feature

- Use JBB20PLUS natural food type of ingredient for liver health extracted from vegetable, fruit and herbs.
- Use JBB20PLUS upgraded food ingredient for liver health developed by patent technology by adding fruits such as lemon, blueberry, cherry and apple into JBB20 health food ingredient and by increasing natural polyphenol amounts and ultimately reinforcing antioxidized effects.
- Combined health and wellbeing effect of red ginseng and JBB20.

Advantage

- Contain red ginseng ingredients.
- No side-effects with natural food type of substance.
- Promote immunity metabolism and contribute to liver health, fatigue recovery and physical reinvigoration.
- Contain abundant polyphenol, bioflavonoid, antioxidant, vitamin, minerals and bio-dietary fiber useful for boosting metabolism.

Intake Method

Drink if you need for immunity, liver health and fatigue recovery

Package Unit

100ml/bottle,
10 bottles/in-box,
50 bottles/carton

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Liver Health

bionutrigen
www.bionutrigen.com

Nature's Energizer

Energy Drink

All men and women who want to benefit for increasing energy, fatigue recovery and liver health

Health Benefits

- Fatigue recovery
- Improve energy
- Liver health
- Energy up
- Antioxidation
- Skin health

Product name	Type of products	Country of origin	Supplier
Nature's Energizer	Energy Drink	Republic of Korea	Bionutrigen Co., Ltd

Nature's Energizer

Energy Drink

Product Description

Feature

- No-caffeine, no-sugar energy drink.
- Use JBB20Gold natural food type of ingredient for liver health extracted from vegetable, fruit and herbs.
- Use JBB20Gold upgraded food ingredient that adjusted taste and flavor fit to energy drinks based on JBB20 health food ingredient developed by patent technology.

Advantage

- No side-effects with natural food type of substance.
- Promote metabolism and contribute to fatigue recovery and physical reinvigoration.
- Contain abundant polyphenol, bioflavonoid, antioxidant, vitamin, minerals and bio-dietary fiber useful for boosting metabolism.

Intake Method

Drink if you need for liver health and fatigue recovery.

Package Unit

100ml/bottle,
10 bottles/in-box,
50 bottles/carton

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Fatclean™ Meal

All men and women who want to have a simple meal and
healthy eating habits along with weight management in busy life.

Meal Replacement for Weight Control

Fatclean™ Meal

Meal Replacements for Weight Control

Product Description

Feature

- Use Gojiberry Fatclean, anti-obesity food ingredient, developed by patent technology.
- Provide balanced nutrients for healthy diet.
- Contain abundant proteins, dietary fiber, vitamin and minerals from all kinds of grains and vegetable powder.

Advantage

- No side-effects with natural food type of substance.
- Contain garcinia cambogia and green tea extracts that inhibit carbohydrates from being integrated into fat and help to reduce body fat.
- Help to maintain beautiful body shape and skin by improving lipid metabolism.
- Contain abundant bio-dietary fiber, antioxidant, tannin, catechin, polyphenol,bioflavonoid helpful for improving lipid metabolism.

Benefits of using products

- BEAUTIFUL BODY SHAPE
- SKIN HEALTH
- HEALTHY LIPID METABOLISM
- REDUCING BODY FAT
- DEFECATION

References

- Patent Registration in South Korea, 2004
  : A Plant powder or extract effective in animal body fat and weight reduction. (Korea Patent No. 459672)
- Patent Registration in South Korea, 2007
  : Anti-obesity and anti-hyperlipidemia food composition. (Korea Patent No. 728055)
- Patent Registration in USA, January 11, 2011
  : Powder or extracts of plant leaves with anti-obesity effects and anti-obesity food comprising them (US Patent 7867525)
- Patent Registration in Europe, November 23, 2011
  : Food for preventing fatness and hyperlipidemia (EP Patent 1855549)

Product name

Fatclean meal

Type of products

Meal replacement for weight control

Intake method

Once or twice a day, Pour a pouch (35g) into 200-250 ml milk. Shake and drink (take with nuts according to personal preference).

Package unit

35g per pouch,
5 pouches per box

Made In Korea

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Hepaclean™ Meal

All men and women who want to have a simple meal and improve liver health in busy life.

Meal Replacement for Liver Health

Hepaclean™ Meal

Meal Replacements for Liver Health

Product Description

Feature

- Use JBB20, liver health food ingredient, developed by patent technology.
- Use JBB20 natural food type of ingredient extracted from vegetable, fruit and herbs.
- Contain abundant carbohydrates, proteins, vitamins and minerals from all kinds of grains and vegetable powder.

Advantage

- No side-effects with natural food type of substance.
- Promote metabolism and contribute to liver health, fatigue recovery and physical reinvigoration .
- Beneficial for maintaining health of alcoholic fatty liver and non-alcoholic fatty liver.
- Contain abundant polyphenol, bioflavonoid, antioxidant, vitamin, minerals and bio-dietary fiber useful for boosting metabolism .

Benefits of using products

- LIVET HEALTH (Beneficial for FATTY LIVER)
- FATIGUE RECOVERY
- SKIN HEALTH
- ANTI-HANGOVER
- Energy up

References

- Received Olympic Memorial medal at Taiwan International Invention show for "Alcohol Killer," October 1, 2005
- Received silver medal at Taiwan International Invention show for "Alcohol Killer," October 1, 2005 : The vegetable & fruit extract composition having excellent effect in control of alcoholic hangover
- Received Gold medal at Seoul International Invention Fair, December 1, 2012 : A Composition of plant extracts effective for reduction of alcoholic hangover
- Patent Registration in South Korea, July 20, 2005 : A composition of plant extracts effective for reduction of alcoholic hangover (Korea Patent No. 0504351)

Product name

Hepaclean meal

Type of products

Meal replacement for liver health

Intake method

Once or twice a day, Pour a pouch (35g) into 200-250 ml milk. Shake and drink (take with nuts according to personal preference).

Package unit

35g per pouch,
5 pouches per box

Made In Korea

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