冀百康
GENE BIOCON

Gene Biocon

珠海冀百康生物科技有限公司

Zhuhai Gene-Biocon Biological Technology Co., Ltd.

领先的高活性生物原料厂商

Advanced manufacturer in highly active biological raw materials

德谷胰岛素 · 重组胰蛋白酶 · 重组赖氨酰内切酶 · 即时祛皱肽 · 重组人碱性成纤维细胞生长因子bFGF· 重组Kex2蛋白酶 · 棕榈酰四肽-7 · 重组人表皮生长因子EGF · 重组人超氧化物歧化酶 · 重组人小分子胶原蛋白 · 专利油溶多肽 · 酵母发酵产物

Recombinant Human basic Fibroblast Growth Factor (bFGF) · Recombinant Human Epidermal Growth Factor (EGF) · Recombinant Trypsin · Recombinant Lysyl Endopeptidase · Palmitoyl Tetrapeptide-7 · Recombinant Human Suproxide Dismutase · Recombinant Human Micro-molecule CollagenⅢ · Patented Safe Oil-soluble Products · Probiotic Fermentation Series

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01 企业介绍
COMPANY PROFILE

珠海冀百康生物科技有限公司（下称：冀百康生物）成立于2015年，我们是高活性生物原料产品的制造商，也为我们的客户提供全面的解决方案以及成品的ODM/CDMO服务。

今天，冀百康生物通过开设全球合作伙伴和分销渠道进一步扩展业务，与我们尊贵的客户建立长期关系。

冀百康生物专注于**“高附加值”与“高活性”生物原料**两大核心领域，具备高端化妆品多肽、原料配方的应用研究和生产能力。建立了功能完善的质检中心和健全的质量管理体系，拥有规范的GMP标准中试车间。公司为国家高新技术企业，广东省科技型中小企业，珠海市新型研发机构，珠海市金湾区创新驱动企业。

Zhuhai Gene-Biocon Biological Technology Co., Ltd (hereinafter referred to as Gene-Biocon) was founded in 2015. We are a manufacturer of highly active biological raw material products, also provide comprehensive solutions for our clients as well as ODM/CDMO service for finished products.

Today, Gene-Biocon expands further business by opening worldwide partner, and distribution channels to establish long-term relationships with our valued clients.

Gene Biocon focuses on the core areas of "high added value" and "high activity" biological raw materials and has the application research and production capacity of high-end cosmetic peptides and raw material formulations. It has established a fully functional quality inspection center, a sound quality management system, and a standardized GMP standard workshop.

02 发展历程
HISTORY

2023

· 自主研发的德谷胰岛素注射液已顺利完成I期临床试验，III期临床试验正在准备中；
· 持续创新，卓越运营；以世界一流品质产品及服务，助力合作共赢；

Gene-Biocon launched self-developed innovation Insulin Degludec Injection Clinical Trial has successfully completed phase I clinical trials, and Phase III clinical trials are being prepared.To achieve Clients' goals by timely providing them with world-class standers products and services through technical innovation and operational excellence.

2022

· 首款自主研发的创新型重组人小分子胶原蛋白上市;
· 获得专利授权:《ZL201910584254.5 》、《ZL201911395173.7》等;
· 获得《德谷胰岛素注射液临床试验》批准;

The first company launched self-developed innovation recombinant human micro-molecule collagen.Obtained patent authorization: "ZL201910584254.5", "ZL201911395173.7", etc.;Obtained the approval of "Insulin Degludec Injection Clinical Trial" from NMPA;

2021

· 获得GB/T19001-2016 ISO9001:2015 质量管理体系认证;
· 获得5项专利认证包括:《ZL201811392504.7》、《ZL201811428316.5》、《ZL201821598918.0》;

Obtain GB/T19001-2016 ISO9001:2015
Authorized 5 patents in the field of high-activity biological raw material and preparation methods

2019

· 集抗氧化、抗UV及蓝光损伤的明星修护原料重组人超氧化物歧化酶上市;通过GB/T29490-2013知识产权管理体系认证;

The most effective Anti-oxidation raw material rhSOD goes to market.
Passed GB/T29490-2013 certification of the intellectual property management system

2017

与暨南大学、澳门大学在多肽及细胞生长因子类产品领域深度合作，并递交19项实用新型及发明专利申请;

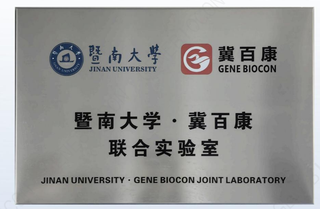
Study with Jinan University on extraction technology of high-purity yeast polysaccharides and their application in 3D printing materials. Also, cooperate with Macau University on growth factors for the cell culture project.Applied for 19 invention patents

2015

· 获得珠海市科技型中心企业技术创新项目资助;
· 与珠海科技学院共建产学研研发基地;

Gene-Biocon was born and jointly build an R&D base with Zhuhai College of Jilin University .

资质荣誉
HONOR



03 研发生产
R&D

冀百康生物不仅拥有功能完善的质检中心和健全的质量管理体系，规范化质量研究、生物活性检测、功效测试能力，同时利用多年的基因工程技术优势不断创新工艺。

- GMP标准生产车间
  Manufacturing shops complying with GMP standard
- 8个专业实验室，完善的质量检测系统
  8 professional laboratories, perfect quality testing system

Gene-Biocon not only has a fully functional quality inspection center and a sound quality management system, standardized quality research, biological activity testing, and efficacy testing capabilities, but also utilizes years of genetic engineering technology advantages to continuously innovate processes.

冀百康生物自主研发的高效表达基因工程技术平台具备稳定性强等多个优势;

The High-efficiency Expression Genetic Engineering Platform independently developed by Gene-Biocon has several advantages such as high stability.

30+
研究人员
Researchers
专注于4个行业领域
Focus on 4 Fields

50+
OEM合作伙伴
OEM Partners
遍布国内外市场
Throughout the domestic and foreign markets

100+
产品品类丰富
Various Kinds of
以客户需为核心
Client-oriented

冀百康核心技术原理
Gene-Biocon Technical Principle

专利布局
Patent layout

权威的认证　源于苛刻的要求
Authoritative certification comes from strict requirements

将技术创新作为不断前进的动力之一，截至 2023年12月，冀百康生物的技术团队目前已拥有15项国家发明专利及实用新型专利授权

As an innovation-driven enterprise, the R&D team of Gene-Biocon have obtained 15 national invention patents and pantents for utility model as of December 2023.

21 发明专利申请	**15** 已授权专利
2 授权实用新型	**13** 授权发明

合作高校
Cooperative Universities

暨南大學 JINAN UNIVERSITY

遵義醫科大學 ZUNYI MEDICAL UNIVERSITY

澳門大學 UNIVERSIDADE DE MACAU UNIVERSITY OF MACAU

珠海科技学院 Zhuhai College OF Science and Technology

高活性生物原料

Highly Active Biologi cal Raw Materials

生物原料
Bio-Pharma raw material

用于：抗体药物纯化填料
Affinity padding for antibody purification

重组蛋白A
Recombinant Protein A

重组高耐碱蛋白A
Recombinant Alkali-tolerant Protein A

重组蛋白G
Recombinant Protein G

...

生物医药原料
Bio-pharmaceutical Raw Material Series

德谷胰岛素
Insulin Degludec

利拉鲁肽
Liraglutide

...

用于细胞培养及人造肉
Cell culture and culture meats

BFGF
Recombinant Human Basic Fibroblast Growth Factor

EGF
Recombinant Human Epidermal Growth Factor

...

基因工程酶
Recombinant Enzyme

重组胰蛋白酶
(细胞培养级&药典级&1:250)
Recombinant Trypsin
(Cell Culture Grade & Pharmacopoeia Grade&1:250)

重组赖氨酰内切酶
(质谱级&生化级)
Recombinant Lysyl Endopeptidase
(M.S. Grade & Biochemical Grade)

...

化妆品原料
Cosmetic Raw Materials

蛋白类
Protein Series

重组人小分子胶原蛋白
Recombinant Human Micro-moledule Collagen III

重组人源胶原蛋白
Recombinant Human Collagen III

重组人超氧化物歧化酶
Recombinant Human Superoxide Dismutase (SOD)

...

酵母发酵类
Yeast Fermentation Series

酵母精华提取物
Yeast Essence Exact YE500

大米发酵产物滤液
Rice Fermentation Product Filtrate AE500

二裂酵母发酵产物溶胞物
Bifida Ferment Lysate

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专利油溶多肽
Patented Safe Oil-Soluble

油溶即时祛皱肽
Oil-soluble Instant Anti-Wrinkle Peptide

油溶棕榈酰三肽-1
Oil-soluble Palmitoyl Tripeptide-1

油溶棕榈酰四肽-7
Oil-soluble Palmitoyl Tetrapeptide-7

油溶棕榈酰五肽-4
Oil-soluble Palmitoyl Pentapeptide-4

油溶铜肽
Oil-soluble Copper Tripeptide-1

油溶舒敏复颜肽
Oil-soluble Polypeptide

...

定制加工及委托服务
CDMO, ODM

定制化委托生产服务
Customized Service

工程菌构建服务
Engineering Bacteria Construction Service

药物工艺开发服务
Medicine Development Service

化妆品原料定制生产
Customized Production of Cosmetic Raw Materials

重组蛋白定制生产
Recombinant protein custom production

...

05 明星产品 HOT PRODUCTS

重组胰蛋白酶（细胞培养、级药典级、1:250）

Recombinant Trypsin(Cell Culture Grade & Pharmacopoeia Grade&1:250)

CAS：62031-54-3

产品参数 Data

项目 Item	细胞培养级 Cell Culture Grade	药典级 Pharmacopoeia Grade	1:250
性状 Appearances	白色或类白色冻干粉 White or off-white powder	白色或类白色冻干粉 White or off-white powder	白色或类白色冻干粉 White or off-white powder
分子量 Molecular weight	23.5kD±2.4kD	23.5kD±2.4kD	/
纯度（SDS-PAGE） SDS-PAGE	≥95%	≥95%	/
纯度（HPLC） HPLC Purity	α-胰蛋白酶不得大于20% β-胰蛋白酶不得小于70% α-Trypsin should NMT 20% β-Trypsin should NLT 70%	α-胰蛋白酶不得大于20% β-胰蛋白酶不得小于70% α-Trypsin should NMT 20% β-Trypsin should NLT 70%	/
酶比活性 Enzyme specific activity	≥3800USP unit/mg pro.	≥3800USP unit/mg pro.	80～120 USP unit/mg pro.
蛋白含量 Protein content	/	40%~70%	/
外源 DNA 残留量 Residue DNA	≤100ng/mg pro.	≤100ng/mg pro.	≤100ng/mg pro.
菌体蛋白残留量 Residue HCP	≤100ng/mg pro.	≤100ng/mg pro.	≤100ng/mg pro.
最佳 pH Optimum pH	7.0~9.0	7.0~9.0	/
溶解性 Solubility	在水或缓冲液中可溶 Soluble in water or buffer	在水或缓冲液中可溶 Soluble in water or buffer	在水或缓冲液中可溶 Soluble in water or buffer

产品优势 Features

- 重组酵母表达产物
  Produced by *Pichia Pastoris*
- 不含动物源，无杂酶
  No animal origin and no miscellaneous enzymes
- 超高纯度，消化能力强
  Ultrahigh purity and strong digestion
- 替代传统动物提取胰蛋白酶
  Instead of traditional animal-origin trypsin

储存条件 Storage conditions

-15°C及以下，避光，密封

-15°C below, protected from light, sealed

产品简介 Introduction

冀百康的重组胰蛋白酶是从重组毕赤酵母中分离纯化得到的，属于生物化学级别的基因工程酶，不含 DFP、PMSF 和 TLCK 等酶抑制剂，具有与天然胰蛋白酶相同的活性和特异性。其活性受丝氨酸蛋白酶抑制剂如 PMSF 和 TLCK 等、金属离子螯合剂如 EDTA 等的抑制。

The recombinant trypsin of Gene-Biocon® was isolated and purified from recombinant *Pichia pastoris*.
It is a genetically engineered enzyme of biochemical grade and does not contain enzyme inhibitors such as DFP, PMSF and TLCK. Its activity is inhibited by serine protease inhibitors such as PMSF and TLCK, and metal ion chelators such as EDTA.

产品应用 Usage

细胞培养级：
Cell Culture Grade

- 用于疫苗生产；
  Vaccine Production;
- 细胞培养、细胞治疗；
  Cell culture, Cell therapy;
- 蛋白药物(如：胰岛素、GLP-1药物)的生产；
  Biological medicine production (such as insulin and GLP-1 drugs);

细胞培养级：
Pharmacopoeia Grade

- 细胞培养、细胞治疗；
  Cell culture, Cell therapy;
- 蛋白药物(如：胰岛素、GLP-1药物)的生产；
  Biological medicine production (such as insulin and GLP-1 drugs);

1:250

- 细胞培养传代和初生组织解离中的细胞解离，如人或动物用疫苗生产；
  Cell passage and cell dissociation of primary tissues, such as vaccine production for human or animals

*仅供科研生产使用，不能用于人体
For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.

重组人碱性成纤维细胞生长因子bFGF

Recombinant Human Basic Fibroblast Growth Factor (bFGF)

CAS：62031-54-3

产品简介 Introduction

重组人碱性成纤维细胞生长因子 (又称为碱性 FGF、bFGF、FGF2、FGF-β或者肝素结合生长因子)，是一种适用于细胞培养应用的生物活性蛋白质。bFGF 可调节细胞增殖、分化、存活、粘附、运动、凋亡、肢体形成和伤 口愈合等多种过程。bFGF 可用于血管发生、成纤维细胞有丝分裂、PC-12 细胞的轴突生长、受体结合以及酪氨 酸磷酸化研究。 本品系重组大肠杆菌表达、经多步分离纯化，再经冷冻干燥而制成的冻干粉。

Recombinant human basic fibroblast growth factor (also known as basic FGF, bFGF, FGF2, FGF-β or heparin-binding growth factor) is a biologically active protein suitable for cell culture applications.bFGF regulates various processes such as cell proliferation, differentiation, survival, adhesion, exercise, apoptosis, limb formation and wound healing.bFGF can be used for angiogenesis, fibroblast mitosis, axonal growth of PC-12 cells, receptor binding, and tyrosine phosphorylation studies. The product is a lyophilized powder prepared by recombinant E.coli expression, separated and purified by multiple steps, and then freeze-dried.

产品参数 Data

项目 Project	特性 Characteristic
性状 Appearances	白色或类白色粉末 White or off-white lyophilized powder
来源 Source	大肠杆菌 *E. coli*
比活性 Active	≥1.2×10^7IU/mg pro.
分子量 Molecular weight	17.3KD±1.7 kDa
纯度 Purity	≥95%（SDS-PAGE）
内毒素 Endotoxin	< 0.2 EU/μg
等电点 Isoelectric point	9.5~9.6
溶解性 Solubility	在水、缓冲液、培养基中溶解性良好 Good solubility in water, buffer, and medium

产品优势 Features

- 高活性，高纯度
  High activity and purity
- 1mg蛋白的生物活性达到 0.5x10^7U~1.5x10^7U/mg
  Specific activity0.5x10^7U~1.5x10^7U/mg
- 大肠杆菌表达产物
  Produced by *E.coli*
- 可用于细胞培养肉
  Used in cell cultured meat

产品应用 Usage

- 用于细胞培养肉；
  Used in cell cultured meat
- 配制无血清培养皿；
  Used in dispensing Serum-free medium;
- 创伤修复药品的生产
  Trauma repair drugs production;

*仅供科研生产使用，不能用于人体
For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.

重组人小分子胶原蛋白

Recombinant Human Micro-molecule Collagen III

产品简介 Introduction

冀百康重组人小分子胶原蛋白——行业首创的特色小分子胶原蛋白。采用基因重组技术，选取人体III型胶原片段，无副作用和排斥反应，无病毒隐患和无/低免疫原性，安全性更高；并且，经实验测试得出，重组人小分子胶原蛋白在40°C存放3个月依然保持稳定。

一种小分子胶原蛋白组合物及其制备方法和应用

A kind of small molecule collagen composition and preparation method and application thereof

NO.：ZL202211290782.8

可应用于医疗健康（含医美）、皮肤护理以及无菌、无添加概念化妆品（可灭菌）等应用领域。

GENE-BIOCON’s Recombinant human micro-molecule collagen Ⅲ is the industry’s first characteristic micro-molecule collagen with a molecule weight of 500 Da-5000 Da.
Recombinant human micro-molecule collagen fragments were selected using the recombinant human micro-molecule collagen technology, which showed higher safety with no side effects, rejection, hidden danger of viruses and no/low immunogenicity. In addition, experimental tests showed that the recombinant human small molecule collagen remained stable at 40°C for 3 months.
It can be used in medical health (including medical beauty), skin care, aseptic, no additive concept cosmetics (sterilizable) and other application fields.

产品功效 Product efficacy

淡化皱纹
Anti-wrinkle and anti-aging

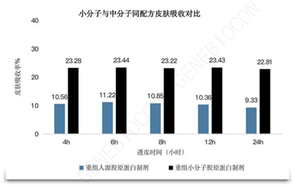
锁水提亮
Moisture retention and whitening

舒敏修护
Desensitization and repair

祛疤消印
Removal of scars and marks

- ✔ 500~5000道尔顿分子量适用于不同状态与干预情况下的皮肤
  Molecular weight of 500-5000 Daltons is applicable in skin at different states or under intervention.
- ✔ 吸收率为普通胶原蛋白的2.0~2.5倍
  Absorption rate is 2~2.5 times that of common collagen
- ✔ 采用人体Ⅲ型胶原蛋白片段
  Adopt Type III collagen fragment of human body
- ✔ GMP标准生产车间
  Manufacturing shops complying with GMP standard

透皮测试 Skin penetration test



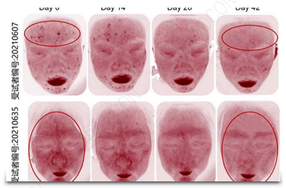
*数据来源：冀百康检测报告
*The Data is from test report of GENE-BIONCON

· **小分子比中分子吸收率高达2.4倍**

The absorption rate of micro-molecule is 2.4 times that of middle molecules

功效测试 — 敏感、痘肌修复

Efficacy test — repair of sensitive skin and acne skin



*数据来源：冀百康志愿者检测报告
*The Data is from test report of GENE-BIONCON

· **使用含有重组人小分子胶原蛋白产品，42天后，原炎症受损部位有明显修复效果**

After 42 days of using the product containing recombinant human micro-molecule collagen Ⅲ ,the damaged part of primary inflammation was obviously repaired.

重组人超氧化物歧化酶(SOD)

Recombinant Human Suproxide Dismutase (SOD)

Introduction 产品简介

重组人超氧化物歧化酶提取自人SOD基因，经PCR扩增后在受体细胞中大量表达。经第三方测试发现其对蓝光给肌肤所造成损伤起关键保护作用；同时，可以有效清除自由基，清除沉积在皮肤中的色素沉淀物，激活深层细胞，增强细胞活性，起到深层抗衰抗氧化的作用。

一种具有抗蓝光功效的SOD组合物及其制备方法

A Kind of SOD Composition with Anti-bluelight Efficacy and Preparation Method Thereof

NO.：ZL202210503117.6

可应用于：医药酶临床治疗、化妆品和食品中。

Rh Superoxide Dismutase was extracted from the human SOD gene and expressed in a large number of recipient cells amplified by PCR. Third-party test results showed that it not only played a key role in protecting skin from blue light damage but also effectively scavenges oxygen free radicals, removes pigment deposits in the skin, activates deep cells and enhances skin activity.
It can be used in pharmaceutical enzyme clinical treatment, cosmetics and food.

产品功效 Product efficacy

全面修护UV、蓝光
Fully defend UV and blue light

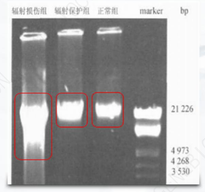
清除自由基
Remove free radicals

重启细胞活力
Restart cell vitality

淡化黄气
whitening and anti-oxidation

- ✔ 对UV/蓝光辐射受损有预保护作用
  Preprotection on skin damaged by blue light and UV
- ✔ 深层淡化皱纹
  Anti-ageing in depth
- ✔ 重组酵母表达产物
  Expressed in recombinant yeast
- ✔ 清除自由基
  Removal of free radical

细胞功效测试 Cell efficacy test



*数据来源：赵花琴，张晨，刘元凯，等. 融合蛋白 PTD—SOD 对紫外辐射引起的细胞损伤的保护作用[D]. , 2009.
* Data source: Huaqin Zhao, Chen Zhang, Yuangang Liu, et al. Protective effect of fusion protein PTD-SOD on cell damage induced by ultraviolet radiation [D]. , 2009.

· **SOD可以有效的保护细胞DNA**

SOD can effectively protect cell DNA

抗蓝光辐射第三方测试

Third-party test of resistance to blue light radiation

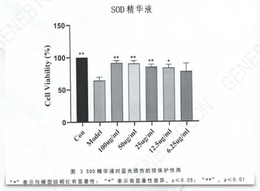


图 3 SOD 精华液对蓝光损伤的预保护作用

“▲”表示与模型组相比有显著性；“*”表示有显著性差异，$p<0.05$；“**”，$p<0.01$

*数据来源：冀百康检第三方测报告
*The Data is from test report of GENE-BIONCON’s third party

· **SOD对蓝光损伤肌肤修复功效明显**

SOD has an significant effect of anti-blue light

酵母发酵产品

Probiotic Fermentation Series

产品简介 Introduction

酵母精华提取物YE500
Yeast Extract Essence YE500

以矿物质为原料，使用低温高密度发酵技术经高活性酵母YEAST500发酵10天，再使用生物酶解法破碎细胞，从中提取具有护肤功效的发酵精华。具有滋养肌肤，祛皱、祛色斑、抗氧化、保湿等功效。本品可添加到各类抗氧化，减少皱纹的产品中，如精华液，水，乳，化妆品等。

Using minerals as raw materials, it is fermented with high-activity yeast YEAST500 for 10 days using low-temperature and high-density fermentation technology, and then the cells are broken by biological enzymatic hydrolysis, and the fermented essence with skincare effects is extracted from it. It has the functions of nourishing skin, removing wrinkles, removing spots, anti-oxidation, and moisturizing. This product can be added to various anti-oxidation and wrinkle-reducing products, such as essence, water, milk, cosmetics, etc.

二裂酵母发酵产物溶胞物
Bifida Ferment Lysate

冀百康生物自主研发生产的二裂酵母发酵产物溶胞物，是经双歧杆菌培养、灭活及分解得到的代谢产物等组分及多糖复合体。具有很强的抗免疫抑制活性，并能促进 DNA 修复，可有效保护皮肤，不受紫外线引起的损伤，用于乳化、水基及水醇体系的护肤、防晒及晒后护理产品，帮助预防表皮及真皮的光老化。

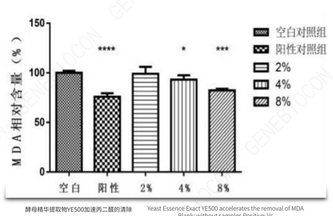
The bifid yeast fermentation product lysate independently developed and produced by Gene-Biocon is a metabolite and other components and polysaccharide complexes obtained through the cultivation, inactivation and decomposition of bifidobacteria. It has strong anti-immunosuppressive activity and can promote DNA repair, which can effectively protect the skin from damage caused by ultraviolet rays. It is used in emulsified, water-based and water-alcoholic skin care, sunscreen and after-sun care products to help prevent epidermis and photoaging of the dermis.

大米发酵产物滤液AE500
Rice Fermentation Product Filtrate AE500

Gebiotide生物发酵产物系列中的大米发酵产物滤液(AE500)，本身含有多种有效成分及在发酵过程中合成的活性物质，营养丰富，且安全性高。长期使用具有防晒、祛斑、减少粉刺、防止皮肤老化等功效，起到滋养皮肤、减少皱纹等护肤作用。可添加到各类抗氧化，减少皱纹的产品中，如精华液、水、乳、化妆品等。

Gebiotide® rice fermentation product filtrate (AE500) contains a variety of active ingredients and active substances synthesized during the fermentation process. It is rich in nutrients and High security. Long-term use has the effects of sun protection, freckle removal, acne reduction, and skin aging prevention, as well as skin care effects such as nourishing the skin and reducing wrinkles. It can be added to various anti-oxidation and wrinkle-reducing products, such as essence, water, milk, cosmetics, etc.

加速丙二醛的清除测试
Accelerated clearance of malondialdehyde test



酵母精华提取物YE500加速丙二醛的清除
空白：不加样品 阳性：Vc

Yeast Essence Exact YE500 accelerates the removal of MDA
Blank: without samples Positive: Vc

- 酵母精华提取物YE500具有清除MDA的能力

  Yeast Essence Exact YE500 can remove MDA

减少炎症因子测试
Reduced inflammatory factor test

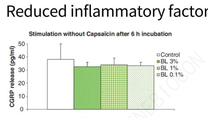


Figure 1. Effect of BL bacterial extract on spontaneous CGRP release after 6 h incubation with sensory neurones.

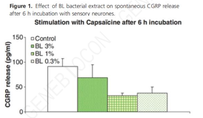


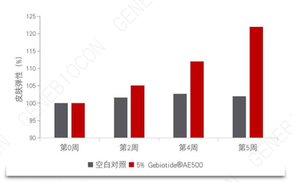
Figure 2. Effect of 6 h preincubation with BL bacterial extract on capsaicin-induced CGRP release by sensory neurones.

参考文献：Bifidobacterium longum lysate, a new ingredient for reactive skin
Audrey Guéniche, Philippe Bastien, Jean Marc Ovigne, Michel Kermici, Guy Courchay, Veronique Chevalier, Lionel Breton, Isabelle Castiel-Higounenc

- 二裂酵母发酵产物溶胞物能有效抑制神经元细胞（神经末梢）释放CGRP，舒缓肌肤

  Bifida Ferment Lysate can effectively inhibit the release of CGRP from neuronal cells (nerve terminals) and soothe the skin.

AE500人体测试
AE500 —— Human testing



*数据来源：冀百康检测三方测报告
*The Data is from test report of GENE-BIONCON's third party

- 使用含5%大米发酵产物滤液AE500的精华液，测试8周效果，眼部肌肤的弹性明显提升，达到20%

  Use seminal fluid containing five percent of Gebiotide Rice Fermentation Product Filtrate AE500；
  After testing the effect for 8 weeks, the elasticity of eyes skin was significantly improved by 20%.

专利油溶多肽技术

Patented Oil-soluble peptide technology

Introduction 产品简介

证书号第1445744号

发明专利证书

发明名称：一种稳定的油溶多肽组合物及其制备方法和应用

发明人：胡凯凯；郑耀雯；陈冠彰；江文君；陈文平；柳红星

专利号：ZL 2019 1 0584254.5

专利申请日：2019年07月01日

专利权人：海南冀百康生物科技有限公司

地址：510660 广东省佛山市南海区三山岛金海岸北号路291-08号生物医药科技园

授权公告日：2022年08月16日　　授权公告号：CN 110330861 B

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第1页（共1页）

在线查询真伪网址

一种稳定的油溶多肽组合物及其制备方法和应用
A stable oil-soluble polypeptide composition and its preparation and application
NO.：ZL201910584254.5

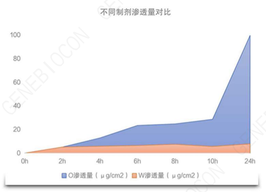
冀百康生物的研发部门针对多肽原料对温度敏感、容易变色、不含水相、应用范围受限等问题，研制出了一种稳定的油溶多肽组合物，解决多肽常见问题的同时，增强了多肽的吸收能力，更扩大了多肽在油溶性化妆品领域的应用。

Gene-Biocon's R&D department has developed a stable oil-soluble peptide composition to solve the problems of peptide raw materials such as temperature sensitivity, easy discoloration, no aqueous phase, and limited application range. The absorption capacity of peptides expands the application of peptides in the field of oil-soluble cosmetics.

产品功效 Efficacy

- 4小时实现吸收率提升2倍
  Absorption rate has a two-fold increase within 4 hours
- 高稳定，配伍性强
  High stability and strong compatibility
- 配方极简应用广
  The formula is simple and widely used
- 助力科学护肤
  Support skin care in a scientific way

经皮渗透效率测试
Percutaneous penetration efficiency test

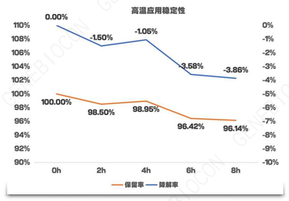


*数据来源：冀百康检测三方测报告
*The Data is from test report of GENE-BIONCON's third party

- 油溶型多肽剂型（以类蛇毒肽为例）皮肤渗透性具有显著优势

  The oil-soluble polypeptide solvent taking Gebiotide®SYN as an example) has significant advantages in skin permeability

高温肽含量稳定性测试
Test of stability of peptide contant under high temperature



*数据来源：张冬峥，游自化游品的万云金茉莉杆菌提取及SOD抗氧化活性研究[D]. 福建农林大学, 2012.
* Data source: Yongrong Zhang, Identification of Bacillus thuringiensis from cosmetics and Study on anti-ultraviolet activity of SOD [D]. Fujian Agriculture and Forestry University, 2012.

- 油溶多肽（以油溶棕榈酰四肽-7为例）可耐受高温90°C的特殊配制或灌装工艺条件

  Oil-soluble polypeptide (taking oil-soluble palmitoyl tetrapeptide-7 as an example) can be specially formulated or in canning process at 90°C.

06

定制服务
ODM/CDMO SERVICES

工程菌构建服务
Engineering Bacteria Construction Service

药物工艺开发服务
Medicine Development Service

重组蛋白定制生产
Recombinant protein custom production

化妆品原料定制生产
Customized Production of Cosmetic Raw Materials

• • •

工程菌构建服务
Engineering Bacteria Construction Service

客户需求 Customer demand » 项目评估 Project evaluation » 合作协议 Cooperation agreement » 菌株构建 Bacteria construction » 菌株筛选 Bacteria screening » 菌株检定 Bacteria verification » 交付 Delivery

药物工艺开发服务
Medicine Development Service

客户需求 Customer demand » 项目评估 Project evaluation » 合作协议 Cooperation agreement » 路线筛选 Route screening » 工艺优化 Process optimization » 工艺验证 Process verification » 工艺转移 Process transfer

重组蛋白定制生产
Recombinant protein custom production

客户需求 Customer demand » 项目评估 Project evaluation » 合作协议 Cooperation agreement » 工艺验证 Process verification » 批量生产 Mass production » 交付 Delivery

化妆品原料定制生产
Customized Production of Cosmetic Raw Materials

客户需求 Customer demand » 项目评估 Project evaluation » 合作协议 Cooperation agreement » 工艺验证 Process verification » 批量生产 Mass production » 交付 Delivery

生物原料
Bio-Pharma raw materials

化妆品原料
Cosmetic Raw Materials

定制加工及委托服务
CDMO, ODM

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ENTERPRISE VISION

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Our Innovation, Your Success.

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Recombinant Human basic Fibroblast Growth Factor (bFGF) · Recombinant Human Epidermal Growth Factor (EGF) · Recombinant Trypsin · Recombinant Lysyl Endopeptidase · Palmitoyl Tetrapeptide-7 · Recombinant Human Suproxide Dismutase · Recombinant Human Micro-molecule CollagenIII · Patented Safe Oil-soluble Products · Probiotic Fermentation Series