



## METAPRO

Enhanced with GLP-1 Activating  
Metabiotics and  
Comprehensive Nutrition

**Daily Health Innovation**



## Point 01

# What is unique technology contained in METAPRO?

Title of the Invention (KR 10-2726225)

**COMPOSITION for increasing fat oxidation and inhibiting fat synthesis,  
comprising metabiotics as active ingredient**

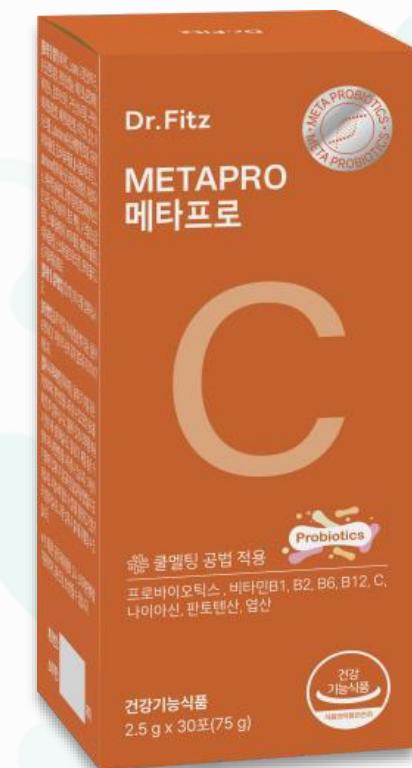
Title of the Invention (KR 10-2802968)

**COMPOSITION comprising Lactiplantibacillus plantarum OPT-A1 strain for  
regulating liver fat metabolism**



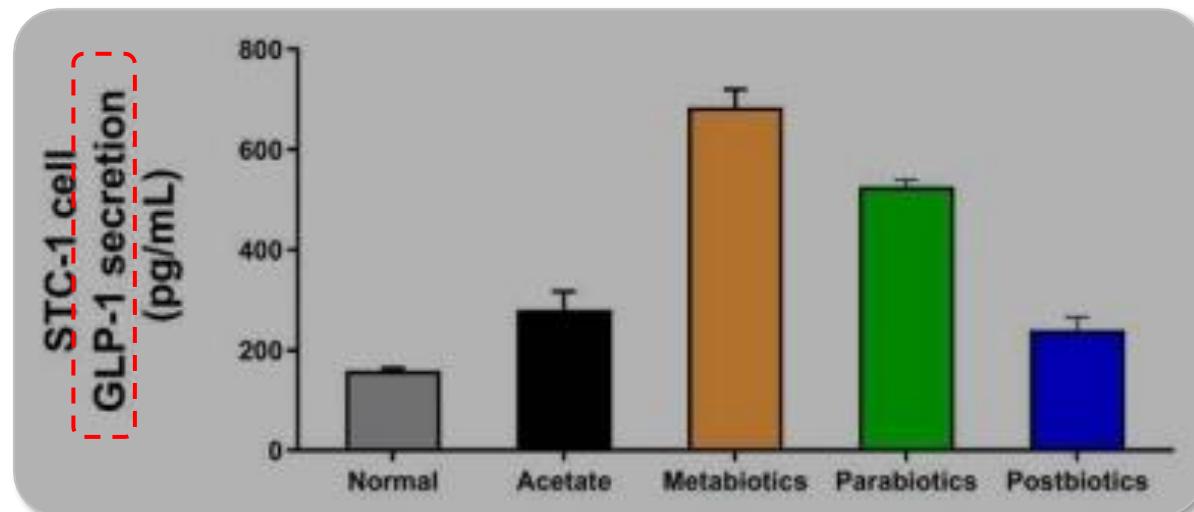
## Promotion of GLP-1 Secretion

The product contains patented metabiotics (OPT-A1), which promote GLP-1 secretion. In vitro studies confirmed a 331% increase in GLP-1 levels in intestinal cells compared to the control.



Patent Number: KR1028029680000 (2025. 04. 28)

Composition comprising Lactiplantibacillus plantarum OPT-A1 strain for regulating liver fat metabolism.



락ти플란티비실러스 플란타럼 OPT-A1 균주를 포함하는 간 지방 대사 조절용 조성물  
Composition comprising Lactiplantibacillus plantarum OPT-A1 strain for regulating liver fat metabolism

상세정보    공고전문    등록사항    통합행정정보    미생물 기탁 · 분양정보

DOI 복사    QR코드

· 서지정보

IPC

[A61K 35/747\(2015.01.01\)](#)  
[A61P 1/16\(2006.01.01\)](#)  
[A23L 33/135\(2016.01.01\)](#)

CPC

[A61K 35/747\(2013.01\)](#)  
[A61P 1/16\(2018.01\)](#)  
[A23L 33/135\(2016.08\)](#)  
[A23V 2002/00\(2023.08\)](#)  
[A23V 2200/30\(2013.01\)](#)  
[A23V 2400/11\(2023.08\)](#)

출원번호(일자)

1020240151141 (2024.10.30)

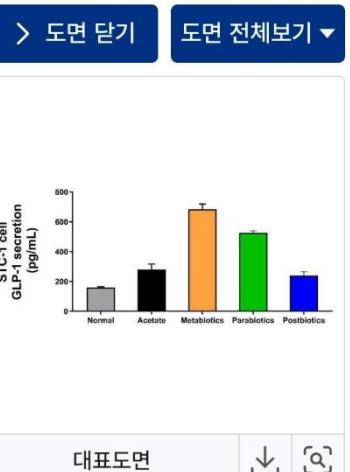
출원인

(주) 옵트바이오

번역문제출일자

등록번호(일자)

1028029680000 (2025.04.28)



Check point 01

## GLP-1 secretion



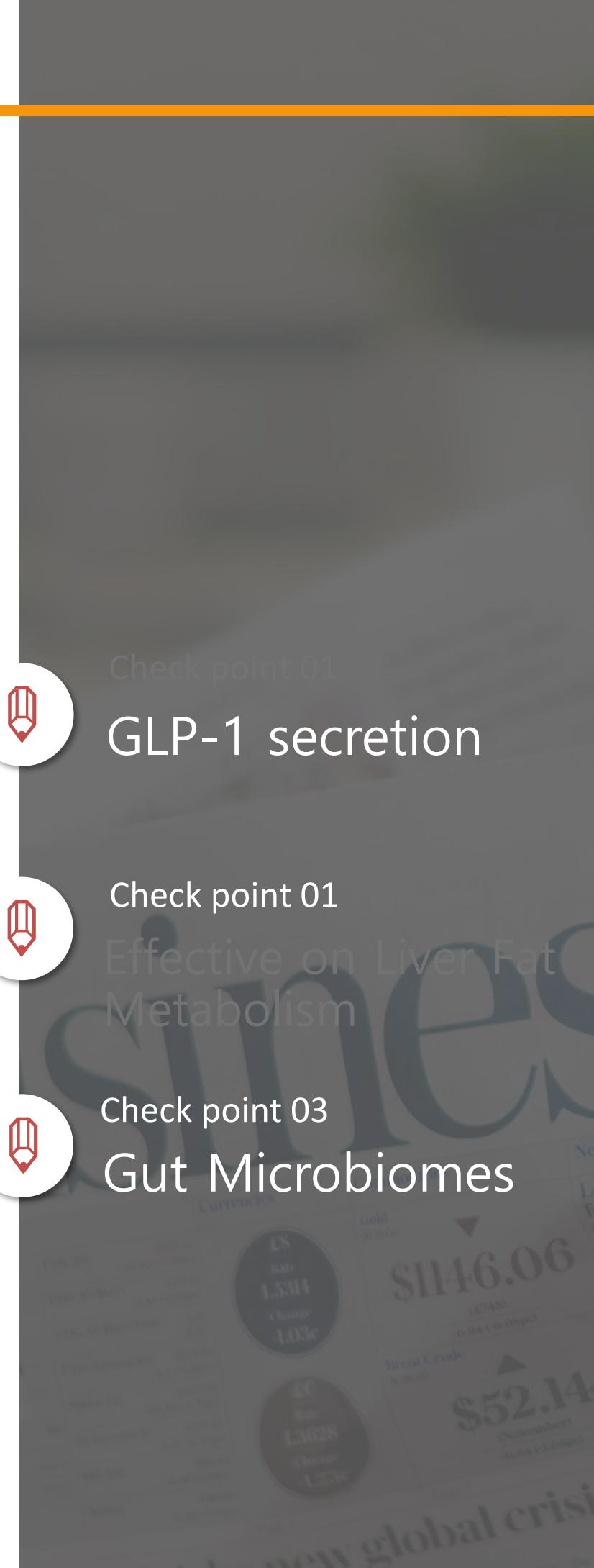
Check point 01

Effective on Liver Fat Metabolism

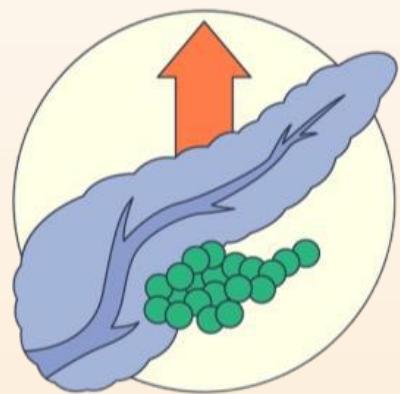
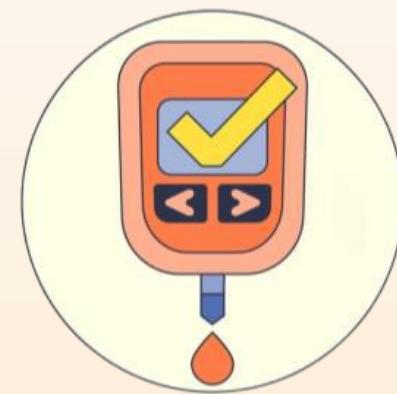
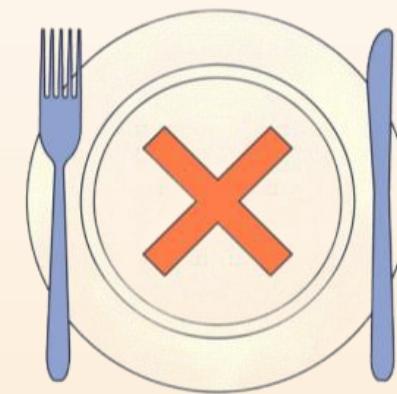


Check point 03

## Gut Microbiomes



## GLP-1

Insulin  
RegulationBlood Sugar  
ControlAppetite  
SuppressionWeight  
ManagementCardiovascular  
Health

GLP-1 agonists are **FDA-approved** for the treatment of obesity and diabetes.

GLP-1 is a multifunctional hormone that contributes to weight regulation, glycemic control, and cardiovascular protection. It is emerging as an effective and safe therapeutic strategy for obesity and metabolic disorders. GLP-1-based treatments are expected to become a key approach in the management of obesity and metabolic syndrome.



## GLP-1 Promoting Metabiotics + Multivitamins + High-Concentration Probiotics

A comprehensive solution for metabolic health, weight management, immune support, and gut health!

- GLP-1 Promoting Metabiotics: A next-generation metabolic balance solution that helps with appetite suppression and blood sugar regulation.
- High-Concentration Probiotics: Supports the growth of beneficial gut bacteria and strengthens the immune system.
- Multivitamins: Enhances vitality and supports nutritional balance.

## Convenience of Consumption! Anytime, Anywhere, Without Water!

Stick-type Powder Form.

- GLP-1 Promoting Metabiotics: A next-generation metabolic balance solution that helps with appetite suppression and blood sugar regulation.
- High-Concentration Probiotics: Supports the growth of beneficial gut bacteria and strengthens the immune system
- Multivitamins: Enhances vitality and supports nutritional balance.

## Differentiated Technology

OPTBIO Patented Research and Development Product

- Patented functional ingredients based on domestic and international patents
- Scientifically-backed efficacy design
- Concentrated R&D expertise leading the premium health supplement market



## Weight Management

Promotes GLP-1 secretion in the gut, aiding appetite control and blood sugar regulation. Effective weight management through healthy metabolic balance



## Gut Health

10 Billion CFU High-Concentration Probiotics contribute to gut health and immune support. Acid-resistant metabiotics are effective from mouth and nose, maintain effects in stomach acid.



## Multivitamins

Multivitamins Meeting Daily Recommended Intake (80-180%) Supports essential functions like energy production, immune function, and antioxidant activity. Balanced blend of vitamins A, B, C, D, and E.



## All-in-One Care

Integrates Key Functions (Metabolic Control + Gut Care + Nutritional Support) into One eliminates the hassle of taking multiple pills or products daily. Convenient stick-type powder for easy consumption without water. Stay healthy anytime, anywhere—on the way to work, before exercise, or while out.





**ABSOLUTE SOLUTION *for* BEAUTY & HEALTH CARE**

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