Eriomin®

BLOOD GLUCOSE | INFLAMMATION | ANTIOXIDANT | GUT HEALTH

Eriomin® Advantages

According to the American Diabetes Association (ADA), it's anticipated that 6.5% of the global population will be prediabetic by 2045. Currently more than one third of US adults are prediabetic. This happens when fasting blood sugar levels rise above a healthy range and is a precursor to type 2 diabetes. Unfortunately, without taking preventative measures, the ADA projects that 70% of these adults will eventually progress to the point of no return, leading to a wide range of health complications. But prediabetes can be reversed and supplementing with Eriomin® is one piece to the puzzle that is safe, effective, and affordable.*

What is Eriomin®?

Standardized using a decades-old process developed and honed by Ingredients By Nature, Eriomin is a patented, high-potency lemon flavonoid blend. Composed primarily of eriocitrin, Eriomin has been clinically shown in three human clinical trials to help manage prediabetes through a unique multi-faceted approach.* The flavonoids in Eriomin work together to address the cyclical interaction of blood glucose levels with insulin resistance, inflammation levels and oxidative stress.*

Why is there a need for triple-pronged functionality

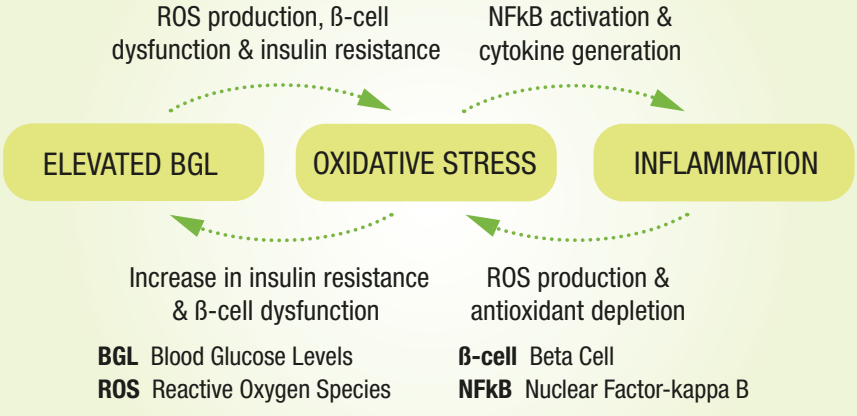
Eriomin triple-pronged functionality is important because as blood glucose levels rise, ROS production can fall out of balance with normal antioxidant activity and the body can struggle to maintain a balanced inflammatory response.* In turn, the rise of oxidative stress and inflammation can then increase insulin resistance and cause blood sugar levels to rise further. By addressing all three aspects, the cycle can be stopped, and blood sugar levels normalized more effectively than by other means.

Why lemon flavonoids?

Ingredients by Nature (IBN) has over 90 years of experience working with citrus bioflavonoids and has learned a lot over that time. Lemon flavonoids have long been researched for their effectiveness in reducing hyperglycemia, dyslipidemia, insulin resistance, and systemic inflammatory processes. Because of this, IBN decided to take existing research one step further and develop a blend that could address all of these physiological systems which interact to improve insulin sensitivity and glucose uptake into peripheral tissues.

Eriomin® benefits

- Supports healthy blood glucose levels*
- Promotes increased insulin production*
- Boosts GLP-1 levels naturally*
- Maintains a healthy inflammation response*
- Promotes strong antioxidant activity*
- Supports short-chain fatty acid production*



*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

Eriomin® Claims

Let's talk GLP-1

Glucagon-like peptide 1 (GLP-1) is a naturally occurring hormone known as "incretin " produced and secreted by the intestinal L-cells in the presence of food. GLP-1's ability to bind to GLP-1 receptors and trigger insulin production, and remove glucose from the bloodstream makes it the single most important hormone in helping manage healthy blood glucose levels. A multitude of scientific discoveries have shown that Eriomin® can boost GLP-1 levels naturally and reduce hyperglycemia after only 12 weeks of intervention.* Besides its blood sugar control benefits, recent research has shown that GLP-1 can also support healthy weight management.*

Responsible and effective sourcing

Our lemon flavonoids are sourced internationally from a diverse number of farms to make sure there is a sustainable supply of lemons. The lemons are also harvested at various maturity stages, which helps to maximize the flavonoid potency upon extraction.

Proprietary and patented

IBN uses a proprietary extraction and standardization process that produces flavonoid extracts of the highest caliber, delivering consistent effects. Further positioning the power of Eriomin's main ingredient eriocitrin, IBN received patent approval for its use of eriocitrin in ingredient formulations as a method of reducing blood glucose levels and is awaiting patent approval for its use of eriocitrin as a method of increasing GLP-1 naturally in ingredient formulations.*

Structure function claims

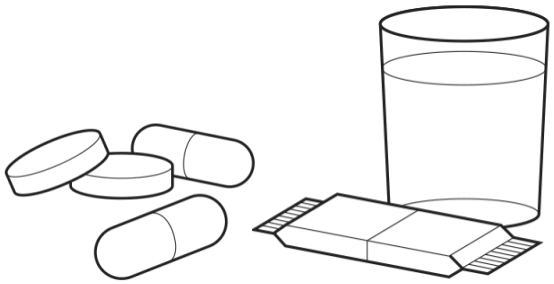
Eriomin® is clinically-backed in three human clinical trials. The following claims are provided for informational purposes and should be reviewed by your legal counsel prior to use in marketing materials, including product labels:

- Helps maintain blood glucose levels within a healthy range*
- Helps support normal insulin sensitivity*
- Helps naturally boost GLP-1 levels*
- Helps manage a healthy inflammation response*
- Supports healthy cell function through increased antioxidant activity*
- Promotes the growth of beneficial bacteria associated with glycemic metabolism.*

Product applications

Eriomin is an ingredient made with manufacturers and formulators in mind. This unique ingredient has a neutral flavor profile for foods, is suspendable in beverages, and is able to be used in capsules, blends and tablets. Because of Eriomin's versatility and potency, it is a perfect option to be incorporated in a variety of formats, such as:

- **DIETARY SUPPLEMENTS**
- **BEVERAGES**
- **FUNCTIONAL FOODS**



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Eriomin® Science Snapshot

414 MILLION PEOPLE worldwide are anticipated to have prediabetes by 2045[1]

CURRENTLY, 1 IN 3 American adults have prediabetes[2]

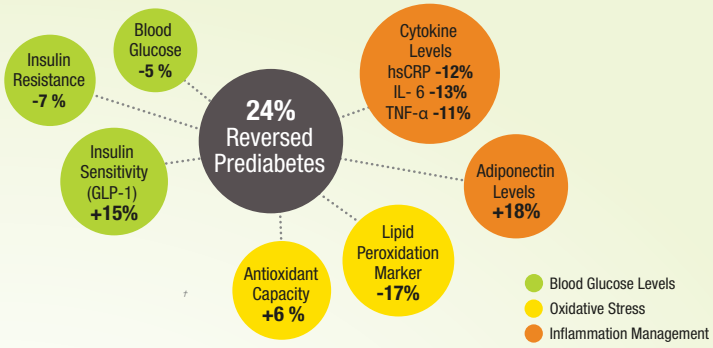
70% OF PREDIABETICS may progress to type 2 diabetes[1]

Eriomin®: A Clinically Backed Solution to Prediabetes

Published Human Clinical Trial 1

Eriomin® improves glucose metabolism in prediabetes patients.

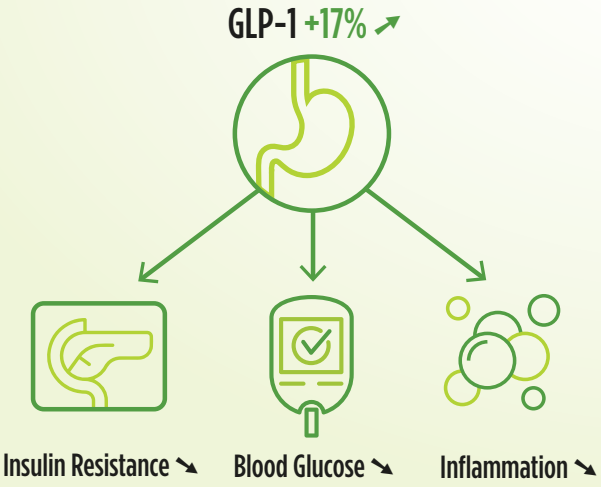
After 12 weeks of supplementation with Eriomin®, researchers observed reversal of prediabetes, reduction of blood glucose levels, and improvement in antioxidant & inflammation markers.*[3]



Published Human Clinical Trial 2

Eriomin shown to boost GLP-1 naturally.

The second human clinical confirmed Eriomin's ability to promote GLP-1 secretion and manage blood glucose levels, benefiting patients with moderate to high levels of hyperglycemia.*[4]



Published Human Clinical Trial 3

Eriomin positively improves prediabetic gut for improved metabolic markers.

Ingredients By Nature's latest published research shows that Eriomin helps increase the production of beneficial bacteria *(Ruminococcaceae)* associated with glycemic metabolism while simultaneously reducing intestinal dysbiosis (lower growth of *Firmicutes* and *Lachnospiraceae*) in prediabetic patients.*[5]

GLP-1 Levels +22%

Blood Glucose Levels -6%

Short Chain Fatty Acids

1. According to the American Diabetes Association
2. According to the Center for Disease Control & Prevention
3. Ribeiro CB et al. "Effectiveness of Eriomin in Managing Hyperglycemia and Reversal of Prediabetes Condition: A Double-Blind, Randomized, Controlled Study." Phytotherapy Research. 2019;33:1921-1933.
4. Cesar, Thais Borges et al. "Nutraceutical Eriocitrin (Eriomin) Reduces Hyperglycemia by Increasing Glucagon-Like Peptide 1 and Downregulates Systemic Inflammation: A Crossover-Randomized Clinical Trial." Journal of medicinal food vol. 25,11 (2022): 1050-1058.
5. Ramos, F.M. et al. "Lemon Flavonoids Nutraceutical (Eriomin®) Attenuates Prediabetes Intestinal Dysbiosis: A Double-Blind Randomized Controlled Trial." Food Science & Nutrition. (2023) 00,1-13.

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Eriomin®

Contact us today to learn about our clinically backed lemon-aid.

For more information, visit **Eriomin.com**

Ingredients by Nature®

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