

● PRODUCT LAUNCH · NUTRITION & HEALTH

Nutrition Lab Sciences launches Essentbio® Daily Capsules, introducing the world's first daily Phytobiogenic™

A bio-enhanced whole-plant *Moringa oleifera* formulation developed through a multi-year Australian R&D program is now available to order as a simple four-capsule daily routine designed to support foundational nutrition.

MELBOURNE, AUSTRALIA, AUGUST 2026 —

Nutrition Lab Sciences has launched **Essentbio® Daily Capsules**, the company's first commercial capsule product and what it describes as the world's first daily **Phytobiogenic™**, a bio-enhanced, plant-derived formulation built around the whole-leaf matrix of *Moringa oleifera*.

The opening of orders marks Nutrition Lab Sciences' transition from a multi-year Australian research and development program into commercial market entry. Essentbio® Daily is built around the company's proprietary **Multi-State Biocatalytic Process** and an upstream approach to foundational nutrition focused on improving access to the biological inputs human health and resilience depend upon.

Essentbio is supplied in a 120-capsule jar, providing a 30-day supply when taken as two capsules in the morning and two capsules in the evening. Each daily serve provides 2.35 g of bio-enhanced *Moringa oleifera*.

Customers can now place one-time or subscription orders through nutritionlab.com, with one, two or three-jar supply options available. The first orders are expected to begin dispatching in early October 2026 and will be fulfilled in the order received.

Essentbio® Daily is listed in Australia as an AUST L complementary medicine, with indications supporting general health and wellbeing, providing antioxidant support to help reduce free radicals formed in the body, and helping maintain healthy blood sugar and glucose levels.



Essentbio® Daily Capsules · 120 capsules · 30-day supply

"Changing global health for good begins with restoring the biological intelligence of the human body," said **Wesley Cooke, Founder and Chief Executive Officer of Nutrition Lab Sciences**. "That intelligence depends upon the quality, breadth and accessibility of the inputs human biology receives. Essentbio was created to help rebuild that foundation—beginning with the complexity already present within a whole plant, improving access to its naturally occurring constituents and preserving the relationships that make the matrix meaningful."

The problem: a quiet nutritional collapse

Modern health faces a growing contradiction. People have access to more food products, supplements and nutritional information than at any previous point in history, yet many remain overfed while under-supplied with the breadth and quality of nutritional inputs human biology depends upon.

For decades, modern health has focused on managing the downstream signs of imbalance, while industrialised food systems have degraded many of the inputs human biology depends upon. This is not only a micronutrient problem. It is also a nutrient-access problem.

Declining nutrient density, disrupted soils and ultra-processed diets have contributed to a broader erosion of foundational nutrition. Nutrients and phytochemicals may be present analytically or displayed on a label, yet remain held within dense fibrous and cellular structures that limit how readily they are released under digestive conditions.

The loss extends beyond isolated vitamins and minerals. Amino acids, cofactors, trace elements and bioactive plant compounds contribute across the interconnected systems involved in metabolism, cellular communication, energy production and resilience.

The result is a world that is often overfed yet under-supplied, with many people living below their natural threshold for energy, clarity, resilience and wellbeing. Nutrition Lab Sciences' thesis is that better health begins upstream—by restoring the quality, breadth and accessibility of the biological inputs upon which the body depends.

What is a Phytobiogenic™?

Nutrition Lab Sciences defines a **Phytobiogenic™** as a biologically enhanced, plant-derived formulation designed to improve access to naturally occurring nutrients and bioactive compounds while preserving the wider integrity of the whole-plant matrix.

Most conventional Moringa products are dried and milled. Essentbio is instead developed through Nutrition Lab Sciences' proprietary Multi-State Biocatalytic Process, which combines controlled biological and physical processing to restructure barriers within the plant material, increase accessible surface area and improve the release of naturally occurring constituents.

The objective is not to isolate a small number of compounds from the plant. It is to improve access to the broader nutritional system already present within it. Phytobiogenics use processing not to simplify nature, but to improve human access to its complexity.

Essentbio is therefore positioned not only as a single product, but as the first commercial expression of a wider Phytobiogenic platform built around whole-plant complexity, nutrient accessibility and the restoration of foundational biological inputs.

A simpler daily foundation

Essentbio is designed as a single daily nutritional foundation rather than another addition to a complicated supplement stack. Each daily serve provides a broad whole-plant matrix that naturally includes protein, all nine essential amino acids, vitamins, minerals, fibre, healthy fats, complex carbohydrates and more than 200 identified bioactive phytochemicals.

Rather than assembling these from a series of isolated ingredients, Essentbio begins with one bio-enhanced whole-plant source and delivers it through a simple morning-and-evening routine.

Essentbio is intended to complement a varied and balanced diet and support general health and wellbeing. The aim is not simply to add another product to a fragmented supplement routine. It is to help restore a broader and more coherent daily nutritional foundation.

Evidence of bio-enhanced access

Internal comparative in vitro testing conducted by Nutrition Lab Sciences examined the amount of material released into the soluble phase under simulated-digestion conditions. Essentbio demonstrated **61.66% soluble-phase release**, compared with **22.45% for standard raw *Moringa oleifera* powder** — a **2.75× improvement in matrix accessibility** under the stated test conditions.

The findings support the intended purpose of the Multi-State Biocatalytic Process: to restructure the plant matrix and increase the amount of released and accessible material while retaining the wider whole-plant composition.

These findings demonstrate improved matrix accessibility under the stated test conditions and provide a strong analytical foundation for future human research. They do not by themselves establish human absorption, clinical efficacy or health outcomes.

"Our comparative in vitro testing demonstrated 61.66% soluble-phase release for Essentbio compared with 22.45% for standard raw *Moringa oleifera* powder," said **Dr Gustavo Bracho, Chief Scientist of Nutrition Lab Sciences**. "This 2.75× difference supports the purpose of our process: to restructure the plant matrix and improve access to its naturally occurring constituents while preserving the wider whole-plant system. It provides an important analytical foundation for the Phytobiogenic model, upon which we intend to build through further functional and human research."

From nutrition to life

Every cell depends upon a coordinated network of nutritional inputs. Vitamins, minerals, amino acids, proteins and naturally occurring plant compounds contribute across the processes through which the body builds, communicates, maintains itself and produces energy.

Mitochondria help transform nutrient-derived electrons and oxygen into ATP and cellular signals, but normal mitochondrial function depends upon a much wider nutritional and metabolic system. Nutrition Lab Sciences does not claim that Essentbio has been clinically shown to increase ATP production or restore mitochondrial function.

The company's broader thesis is that restoring access to foundational nutritional inputs is essential to supporting the biological intelligence through which the body produces energy, communicates, adapts and maintains resilience.

The first expression of a wider platform

Essentbio is the first commercial expression of the Nutrition Lab Sciences Phytobiogenic platform. The company's product-development roadmap includes investigating the integration of three additional foundational nutrient modules into the same daily Essentbio product: **Vitamin D, Vitamin B12 and Iodine**.

These nutrients can be difficult to obtain consistently through Moringa alone and are being explored through biofermentation and biology-led processing approaches aligned with the wider Phytobiogenic philosophy.

Moringa provides an unusually broad nutritional and phytochemical matrix, but iodine is environmentally dependent and is not reliably present at a meaningful, standardised level. Essentbio's future iodine module is intended to close this structural gap through a precisely controlled, biologically integrated source.

The objective is not to create three additional standalone supplements. It is to progressively strengthen the same coherent daily foundation.

A launch built around wider access

Essentbio® is being introduced through Nutrition Lab Sciences' **Global Nutrition Initiative**, with a measurable impact commitment built into every eligible commercial jar.

For every eligible Essentbio® jar purchased, Nutrition Lab Sciences allocates A\$4—or, if higher, the documented current standard production cost of ten daily serves—to the Impact Access Reserve. Under the Initiative's central promise, "Your 30 days help fund 10 more," each eligible 30-day jar helps fund ten daily serves for people and communities who may otherwise be unable to access Essentbio®.

The first 15,000-jar Founding Release can fund 150,000 daily serves. Nutrition Lab Sciences will report eligible jar allocations, product access funded and access verified as delivered as separate stages through its public impact tracker.

Availability

Essentbio® Daily Capsules are now available to order directly from Nutrition Lab Sciences at nutritionlab.com.

Customers may choose a one-time purchase or subscription, with one, two or three-jar supply options available. Each jar contains 120 capsules and provides a 30-day supply when taken as directed.

Orders are currently open in Australia and supported international launch markets, including the United States, Canada, the United Kingdom, Singapore and selected European Union countries. International orders are limited to personal-use quantities of up to three jars per shipment.

Supported international orders are sent from Australia via DHL eCommerce. Where Delivered Duty Paid shipping is available, the amount shown at checkout includes tracked delivery and applicable import duties, taxes, tariffs and standard customs-clearance charges, so no additional payment should normally be required before delivery.

Orders are expected to begin dispatching in early October 2026 and will be fulfilled in the order received. Destination availability, local pricing, shipping charges and estimated delivery times are confirmed at checkout.

International availability remains subject to destination-country product classification, personal-use import limits, customs clearance, local regulation and product-labelling requirements. During the initial international-launch period, Essentbio® may be supplied to selected destinations using the Australian label where legally permissible, with market-specific labels to be introduced as Nutrition Lab Sciences scales.

ABOUT NUTRITION LAB SCIENCES

Nutrition Lab Sciences is an Australian health-science company founded in response to a quiet nutritional collapse affecting the quality, breadth and accessibility of the biological inputs human health depends upon. The company is pioneering **Phytobiogenics™**—biologically enhanced, plant-derived formulations designed to improve access to naturally occurring nutrients and bioactive compounds while preserving the wider integrity of the whole-plant matrix.

Nutrition Lab Sciences combines plant science, biochemistry and controlled biological processing to develop a new model of foundational nutrition focused on restoring what modern food systems and fragmented supplement routines increasingly fail to provide. Its first commercial product, Essentbio® Daily Capsules, is a bio-enhanced *Moringa oleifera* formulation developed through the company's proprietary Multi-State Biocatalytic Process and now available to order through nutritionlab.com. Essentbio is the first expression of a wider platform spanning future integrated nutrient modules, digital education, personal measurement and progressive human research. Nutrition Lab Sciences' mission is: changing global health for good.

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Disclaimer: Essentbio® Daily is listed in Australia as an AUST L complementary medicine. In Australia, listed indications include support for general health and wellbeing, antioxidant support to help reduce free radicals formed in the body, and support for healthy blood sugar and glucose levels. Always read the label and follow the directions for use. The scientific figures presented in this announcement are based on internal in vitro simulated-digestion testing. They represent soluble-phase release and matrix accessibility under the stated test conditions and do not by themselves establish human absorption, pharmacokinetics, clinical efficacy or health outcomes. Outside Australia, product classification, permitted claims, labelling and import requirements vary by market. Statements regarding Essentbio have not been evaluated by relevant international authorities, including the FDA, EFSA, Health Canada, MHRA or HSA. This product is not intended to diagnose, treat, cure or prevent any disease.

Forward-looking statement: This announcement contains forward-looking statements regarding international market expansion, wholesale and retail distribution, future formulations, integrated nutrient modules, research, personal measurement, community-program delivery and wider platform development. Actual outcomes may differ and remain subject to commercial, scientific, technical, financial, regulatory, logistics and market factors.