



MICROBIOMES TO OVERCOME THE GREATEST CHALLENGES

Interactive Micro-organisms Laboratories Pte Ltd (IMO Labs) specializes in the use of microbiomes to address chronic condition-specific problems in the agri-veterinary, human health and environmental industries.

The core competency lies in the use of proprietary processes to formulate, upscale and stabilise both culturable and non-culturable components of microbial communities. These formulations have the ability to shift microbiomes which in turn bring about significant improvement in health and productivity. These formulations also exhibit robustness in real situations, produce consistent results, are highly scalable and can work synergistically with chemical inputs.

IMO Labs licenses out microbial formulations and manufactures inoculants and products. The microbial products are produced in highly controlled environments to ensure the best conditions for their survival and performance. IMO Labs works with partners to develop biological systems and integrated biological systems to significantly reduce pollution, and enhance productivity & sustainability. IMO Labs also offers contract research & development services to develop customised & innovative solutions to serve novel niches identified by customers.

IMO Labs' solutions are 100% natural and fit well into current market trends to seek out sustainable and environment-friendly solutions.

NATURAL SOLUTIONS FOR BETTER LIVING

IMO Labs provides solutions in the areas of:

Human Health

Co-fermented *phytosymbiotic* health supplements of medical importance for the maintenance of healthy blood glucose, cholesterol and uric acid in the body.

Animal Health

Probiotics and natural boosters for reducing feed costs, and promoting healthy growth of livestock and swine.

Agriculture

Microbial inoculants for producing organic fertilizers and bio-pesticides, and rhizobacteria for stimulating beneficial root microflora and promoting plant growth.

Aquaculture

Biological products for achieving high production yields and effective pond environment control in fish/prawn farming.

Environment

Inoculants for degrading toxic hydrocarbon and chemical waste.

Water Management

Inoculants for water bioremediation and for degrading organic wastes and inorganic pollutants present in waste water facilities and large water bodies.

Customised Solutions

Solutions ranging from food processing, design of integrated farming systems, bio-control in plantations, watershed management and bio-fuel production.



INTERACTIVE MICRO-ORGANISMS LABORATORIES



PRODUCT OFFERING

PROVIVA FOR HUMAN HEALTH

www.freshwerkz.com



IMO Labs has developed a range of highly effective ailment-specific formulations using proprietary *phytosynbiotic* technology.

- **ProViva-G.** Health supplement for balancing blood glucose and cholesterol in the body.
- **ProViva-U.** Health supplement with anti-inflammatory properties for balancing uric acid in the body.
- **ProViva-L.** Health supplement for balancing cholesterol in the body.

ProViva is distributed by Freshwerkz

ANIMAL HEALTH

www.vantarion.com

IMO Labs has developed the following range of animal health products:

- **Primos25[†].** Direct-fed high-performance all natural feed saver and growth enhancer for swine.
- **PouGro.** Direct-fed high-performance all natural feed saver and growth enhancer for poultry.
- **Respi*Shield[†].** Combinatorial microbial shield that reduces the build-up of ammonia and air-borne *E. coli* in the poultry house, thereby suppressing respiratory distress in high-density poultry flocks.
- **MaxiBovis[†].** Direct-fed microbial formulation to improve the quantity and quality of milk in dairy cows and the growth performance in beef cattle.

[†] Distributed by Vantarion

MIKROS FOR INTEGRATED FARMING

www.mikros.imolabs.com



MIKROS is a range of microbial solutions specially developed for integrated farming.

- **Mikros COMPOS.** Microbial product for stimulating metabolic activities for the enhancement of aerobic and anaerobic conversion of organic wastes.
- **Mikros AgriBOOST.** Microbial product for the stimulation of synergistic activities of plant growth promoting Rhizobacteria. Promotes robust root development and plant health. Applicable to a large variety of crops, cereals, root crops, vegetables, fruits and ornamental plants.
- **Mikros BioPOND.** Microbial consortia to stimulate enhanced oxidation of organic compounds in aquaculture pond water column and bottom. Maintains algal stability.
- **Mikros NUTRI.** Feed additive for faster growth and lower feed consumption of aquaculture species. Suitable for fresh and brackish water. Suitable for fish and shrimps.
- **Mikros HYDROS.** Microbial consortia to bio-augment indigenous microbial populations for the degradation and transformation of organic and inorganic pollutants in water.

CUSTOMISED SOLUTIONS

www.imolabs.com



The IMO Culture Collection, registered with the World Federation for Culture Collections, has a holding of 4,000 cultures which can be mined to develop customised and targeted solutions.

- **HUMIC for Waste Water Management.** Range of microbial products customised for various waste water treatment applications such as facilities with very high amount of organic load and very fast flow rates (eg sewerage treatment plants), open-pit lagoons (eg piggery/livestock/poultry farms), and industrial waste water facilities (eg paper mills and food processing plants).
- **Degremix for Bioremediation.** Customised microbial consortia for degradation of oily and processed sludge with diesels, gasoline and light oils as byproducts, and degradation of toxic chemicals such as adrox, phenoic compounds and paints.
- **BioClean for Water Bodies.** Microbial products for remediation of heavy metals, and organic & inorganic chemical contaminants in pond, rivers and large water bodies.

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