

Luminis Water Tech Optimises Water and Shrimp Gut Microbiomes, Achieves 56% Gain in Growth & 30% Reduction in Pathogens

Set to deliver both sustainability and reduce the use of antibiotics in the industry with Luminis Precision Probiotics.

Luminis Optimised Microbiome Unlocks 56% More Growth



Luminis



Control



Singapore, Singapore Apr 8, 2024 ([Issuewire.com](https://www.issuewire.com)) - In a landmark breakthrough, Luminis Water Technologies, a pioneering microbiome profiling company, has successfully optimized both water and shrimp gut microbiomes, resulting in 56% growth enhancement and a remarkable 30% reduction in pathogen loads.

This equated to an increase of 81% in revenue, and 176% return on investment. This breakthrough promises a revolutionary leap in sustainable aquaculture practices and marks a significant milestone in the push to reduce antibiotics in aquaculture.

Through cutting-edge technology and comprehensive microbiome analysis, Luminis Water Technologies meticulously identified and tailored microbial communities crucial for fostering a healthy environment in both water and shrimp gut. By leveraging this in-depth understanding, they devised a formula of their Next Gen-guided Precision Probiotics that led to unprecedented growth improvements while significantly curbing pathogen loads.

"Today marks a pivotal moment in aquaculture innovation," Rachelle Jensen, CEO of Luminis and visionary leader behind this groundbreaking achievement. "Our team's dedication and expertise have enabled us to revolutionize the way we optimize microbiomes, unlocking remarkable growth potential while ensuring a safer and healthier way to deal with pathogen outbreaks. We couldn't be more thrilled with this result."

The optimization process involved a multifaceted approach, integrating precision microbiome engineering techniques with Luminis' Next Gen Precision Probiotics. By modulating the microbiome in both water and shrimp gut, Luminis achieved an optimal balance that facilitated enhanced nutrient uptake, improved digestive efficiency, and a fortified immune system in the shrimp population.

Moreover, the reduction in pathogen loads signifies a monumental step toward sustainable and eco-friendly aquaculture practices. The innovative techniques deployed by Luminis not only fostered robust shrimp growth but also mitigated the risks associated with pathogenic threats, thereby ensuring a safer and more resilient shrimp farming ecosystem.

The implications of this breakthrough extend far beyond the aquaculture industry. The success achieved by Luminis in optimising microbiomes presents a promising platform for addressing broader environmental and agricultural challenges, offering a glimpse into a future where microbial interventions drive sustainable solutions across various sectors and reduce the need for antibiotics.

As the world grapples with increasing demands for food security and sustainable practices, the pioneering work of Luminis underscores the pivotal role of microbiome optimisation in revolutionizing agricultural practices and fostering more resilient and productive ecosystems – thus delivering sustainability to the industry.

The complete system is now available for farming shrimp in RAS or closed system, with validation currently underway for tilapia and shrimp ponds. More information can be found on [Luminis Water Technologies](#).

About Luminis Water Technologies: Luminis is focused on delivering Next Gen microbiome and molecular solutions that underpin environmental sustainability and early disease prevention in aquaculture.

From ponds to coastal water, Luminis is on a mission to transform aquaculture and foster healthy ecosystems through cutting-edge microbiome and molecular technologies. Our goal is clear: to keep our planet healthy and aquaculture disease-free, to eliminate the use of antibiotics, and to boost food security for generations to come.

Media Contact

Luminis Water Technologies

roy@luministech.com

+65 83343668

320 Jalan Boon Lay #01-01 Singapore 619525

Source : Luminis Water Technologies

[See on IssueWire](#)