



Aquamate™ - An Environmental Friendly Aquaculture Feed Supplement Derived from Probiotic Lactobacillus sp

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TECHNOLOGY

Aquamate™ is a natural and environmental friendly aquaculture animal feed supplement containing postbiotic metabolites derived from probiotic Lactobacillus sp. and a method of using this supplement as feed additive to replace the usage of hazardous antibiotic growth promoter in aquatic animal has been developed.

The present invention also relates to a process for preparing the postbiotic metabolites mixed with fish feed.

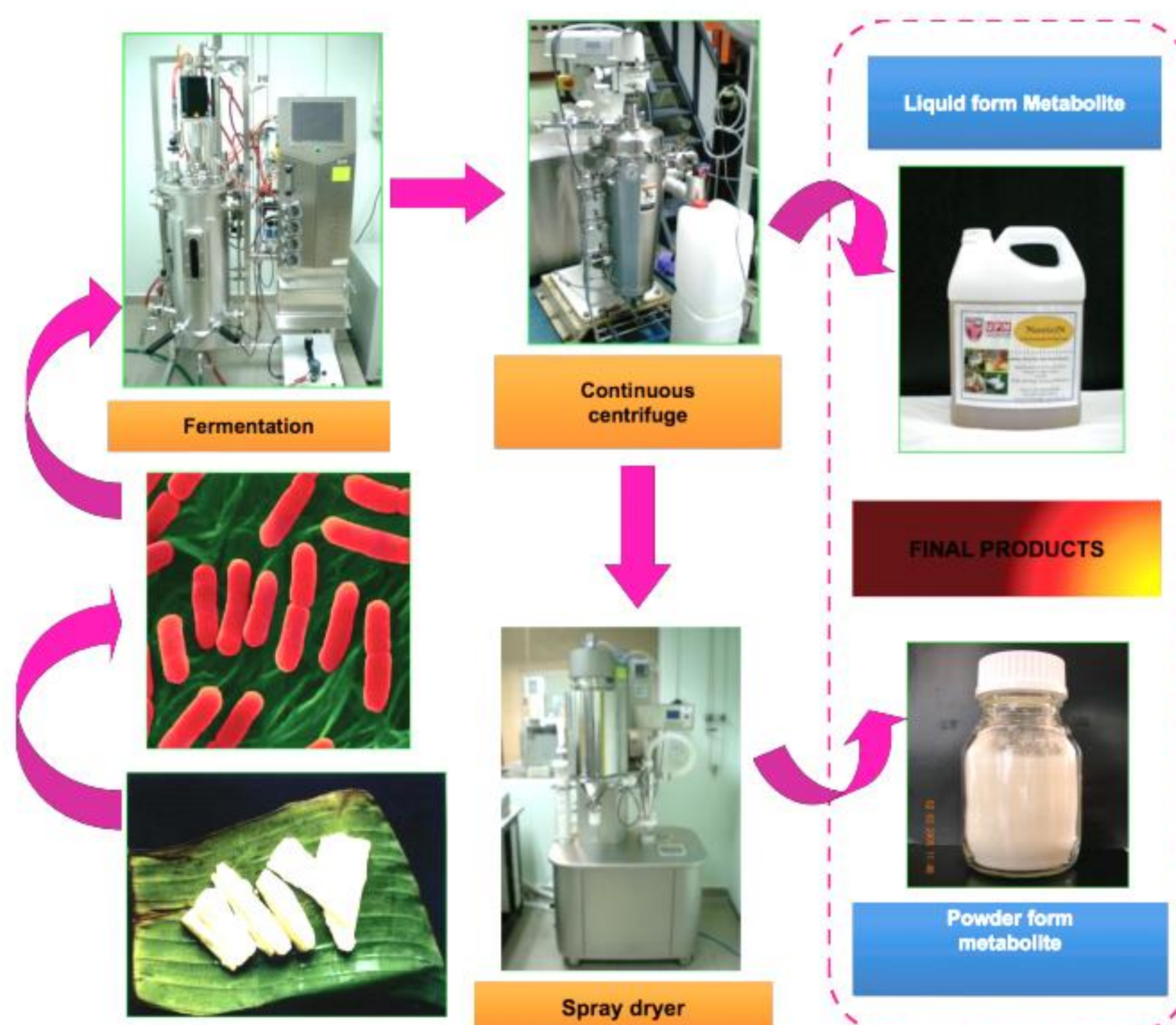
BENEFITS

- Produced by GRAS Lactobacillus sp.
- Does not require living cells to give beneficial probiotic effects
- Proven as an environmental friendly supplement and growth enhancer compound
- Possesses broad health promoting effects and antagonistic spectrum

MARKET POTENTIAL

Worldwide aquaculture industry

- As feed additives
- As growth promoter



USEFULNESS AND APPLICATIONS

- As replacer to hazardous antibiotic growth promoter
- Cost effective
- Consistent and durable
- Natural and environmental friendly
- No occurrence of antibiotic resistance and cross resistance to pathogens
- Broad inhibitory spectrum, temperature and pH stability
- Overall health promoting effect, increases immune response, survival and growth rate, lowers Enterobacteriaceae count, and activates higher beneficial bacterial counts
- Safe, does not require stringent and extensive testing
- GRAS status of Lactobacillus sp. with the approval of WHO and FAO facilitate the application and commercialization of the Aquamate™
- In line with the evolution of aquaculture approach to “environmental-friendly” or “Green agriculture”

TRL 7- Demonstration of prototype



Project Leader : Prof. Dr. Foo Hooi Ling
 Dept./Faculty : Faculty of Biotechnology and Biomolecular Sciences
 Email : hlfoo@upm.edu.my
 Phone : +603- 9769 7476
 Expertise : Nutraceutical & Functional Food/Food Biotechnology

www.sciencepark.upm.edu.my

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