

TECH OFFER

Plant-based Film to Reduce Bovine Mastitis



KEY INFORMATION

TECHNOLOGY CATEGORY:

Life Sciences - Biotech Research Reagents & Tools

Life Sciences - Agriculture & Aquaculture

TECHNOLOGY READINESS LEVEL (TRL): TRL8

COUNTRY: THAILAND

ID NUMBER: TO175031

OVERVIEW

Bovine mastitis is a common and costly inflammatory condition of the udder in dairy cows, typically caused by bacterial infection. This disease negatively impacts milk production, quality, and animal welfare.

This innovative technology offers a solution in the form of a post-milking dipping film. This environmentally friendly film provides long-lasting moisturisation and effective protection against bacteria, reducing the incidence of mastitis in dairy cows. Made with safe and green chemicals, it is easy to use and has the potential to reduce bovine mastitis by up to 20%.

The technology provider is actively seeking R&D collaborations to develop new applications for pets or other animals or increase product efficiency.

TECHNOLOGY FEATURES & SPECIFICATIONS

The innovative technology combines plant-based materials with a thin film to create a softened yet highly effective barrier that is eco-friendly. This green innovation provides long-lasting protection from microorganism infection in the mammary glands of cows for up to 3 hours.

POTENTIAL APPLICATIONS

This innovative technology can be deployed in the animal husbandry industry including goat, sheep, and buffalo milk production. It can be applied in topical wound care, making it a versatile solution for a variety of needs. The technology can be marketed for both post-milking teat dip and topical wound care applications, providing a comprehensive solution for the dairy and healthcare industries.

MARKET TRENDS & OPPORTUNITIES

This green technology is highly efficient and attractive to the market because it is safe for animals, humans, and the environment. The technology provider has identified a 71.4 million USD service obtainable market for this technology.

UNIQUE VALUE PROPOSITION

- Plant-based & green technology
- Long-lasting barrier protection with high efficiency