

Demonstration development for mass production of oral vaccine/feed additive for swine (KAICO Ltd.)



City	Year of Establishment	Founder
Fukuoka City	2018	Yamato Kenta

Partner VC	Latest round of Fundraising	Valuation
-	Series B	JPY 2,745 million

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○ Business Plan

This project aims to establish scalable manufacturing processes suitable for the mass production of a silkworm-derived oral vaccine ingredient for pigs.
The target product, developed using a proprietary recombinant protein expression system in silkworms, has been registered and launched in Vietnam as a “feed additive.”
To ensure stable commercial supply, the project focuses on building production readiness for scale-up. The resulting manufacturing technology is also intended for future application in domestic distribution within Japan

○ Research Outline

This project aims to establish a mass production platform capable of enabling large-scale and stable supply of the target product, which demonstrated market demand during the PCA phase.

- To achieve this objective, the following R&D components will be pursued:
- 1. Establishment of mass production base technology
 - 2. Scale-up of production capacity through automation
 - 3. Reduction of production costs
 - 4. Implementation of quality control and regulatory compliance measures

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Food & Agriculture	DMP 2025 ～2028 FY	JPY 1,896 million	United States, Canada, Europe etc.