

Development of MylcMAT products using immortalized monocytic cells aMylc (MiCAN Technologies, Inc.)



City	Year of Establishment	Founder	Website
Kyoto	2016	Kazuo Miyazaki	https://www.micantechnologies.com/en/

Partner VC	Latest round of Fundraising	Valuation
Real Tech Holdings Co.,Ltd.	Series B	Non-Disclosure

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○ Business Plan

We will complete a new pyrogen test product that will be rolled out globally using immortalized monocytic cells (MylcMAT cells), which are obtained by introducing a unique immortalization gene into monocytic cells extracted from peripheral blood mononuclear cells.

The aim is to develop the product domestically and overseas, improve the product by providing prototypes, establish manufacturing methods, and build a quality assurance system so that the product can be sold promptly after the project is completed, and the product is completed within the project organization.

○ Research Outline

In order to make MylcMAT products suitable for the global market, we will conduct research and development on six items related to manufacturing, quality, and market development to achieve our goals.

1. Development of a production method for MylcMAT cells with quality assurance
2. GMP manufacturing of MylcMAT products
3. Setting up our own manufacturing room
4. European development: Determining the European expansion method through finishing and testing of products for the European market
5. Domestic development: Completion of validation test Phase III at JaCVAM and preparation for release
6. US market: Usage research and determination of product specifications for introduction into the US market

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Healthcare	PCA 2023~2024FY	JPY 399 million	Europe

○ International collaborative technology demonstration

- Local base establishment
- Relationship development with potential local partner
- Supply chain development

In order to finalize the product for the European market, we will establish a European development office as a development base, and use this as a base to provide prototypes to local customer candidates and conduct discussions including the establishment of a future supply chain.