

Development of MylcEndo products for the LAL market using immortalized monocytic cells aMylc-Z (MiCAN Technologies, Inc.)



City	Year of Establishment	Founder
Kyoto	2016	Kazuo Miyazaki

Partner VC	Latest round of Fundraising	Valuation
UntroD Capital Japan, Inc	Series B2	Non-Disclosure

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- Business Plan

With the development of new medicines and vaccines, the traditional pyrogen testing method used for pre-shipment testing is no longer suitable. Therefore, we are developing a new pyrogen testing product (MylcMAT product) based on immortalized monocyte aMylc cells, which can be deployed globally, as a new pyrogen testing method.
- Research Outline

Our goal is to develop MylcEndo products using aMylc-Z cells into globally marketed products as an alternative to LAL testing. We aim to make MylcEndo products the global standard for daily quality testing.

 1. Improve and develop aMylc-Z cell production technology for high-cytokine-producing MAT tests.
 2. Design and develop MylcEndo products using aMylc-Z.
 3. Establish a mass production system for aMylc-Z cells.
 4. Product development of MylcEndo products.
 5. Japan-Europe Development: Development of MylcEndo products in Japan and Europe (promotion of European Pharmacopoeia-compliant evaluation) and completion of preparations for distribution.
 6. US Development: Development of MylcEndo products for the US market and preparation for launch.
- | Business Area/Field | Research Period | Research Grant Amount | International collaborative technology demonstration |
|---------------------|-----------------|-----------------------|--|
| Healthcare | PCA 2025～2027FY | Non-Disclosure | United States, Europe |
- International collaborative technology demonstration

The company plans to collaborate with a testing company that is a global player. It has established a European development office as a development base for completing the product for the European and US markets, and is continuing to consider providing prototypes to potential local customers from here as well as building a future supply chain. It has already established a local sales corporation (Germany).