

Invest KOREA Market Place

Invest KOREA Market place (IKMP) is an online business matching platform available on Invest KOREA's website with information on approximately 300 Korean companies seeking to partner with foreign investors. This month, we introduce some outstanding companies in Korea's biotechnology industry.

COMPANY
A



Bio-robotics



Automated media replacement process selected as a demonstration project in the 2Q of 2023

Investment Requirement		Company Profile	
Amount	USD 4 million	Patents and Certificates	Applied for a total of 24 patents, including 9 patents registered for microparticle processing equipment
Investment Structure	Equity Investment	Financial Performance	(Sales in 2022) - USD 1.8 million

Investment Highlights

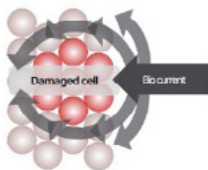
• **Bioprocess automation robotic systems expected to grow continuously**

As the population declines and the difficulty of supplying manpower increases due to the 52-hour work week, the demand for bio-robotics technology required for advanced biopharmaceuticals and the construction of bio-foundries is increasing. Among liquid dispensing automation equipment, NGS Library Preparation automation equipment is expected to grow by 14.8 in 2029 compared to 2021, and the global cell culture market is expected to grow from \$24.9 billion in 2020 to \$45.5 billion in 2028 (CAGR of 8.5%), of which equipment is expected to grow to \$490 million in 2025.

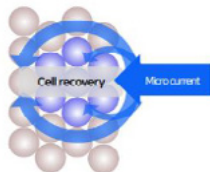
• **Commercialization is underway through bioprocess automation product development and mass production required for biopharmaceuticals and the establishment of advanced bio-foundries**

The company proceeds with commercializing through the development of bioprocess automation robotics to improve the quality of life, and the development of in vitro diagnostic medical devices and biopharmaceuticals for the prevention and treatment of intractable diseases. It is collaborating with government agencies in government projects to develop prototypes of bioprocess automation equipment, reducing the cost of prototypes and mass-produced products, and aiming to localize more than 90% of raw materials.

COMPANY
B



Damaged cells have increased resistance and are unable to transmit biocurrents, resulting in a lack of oxygen and nutrient supply.



Cells are restored by supplying electric current to damaged cells through microcurrents

Investment Requirement		Company Profile	
Amount	USD 0.5 million	Patents and Certificates	Registered or pending patents for skin sheets containing piezoelectric materials
Investment Structure	Equity Investment, Joint Venture	Financial Performance	No significant performance after being founded in April 2023

Investment Highlights

• **Lifestyle market based on activities**

The global cosmetics market was estimated to be approximately \$374.2 billion in 2023, and it is expected to grow at an average annual rate of 9.8% to reach around \$758 billion by 2032. Among cosmetics products, bio patches are one of the popular categories. The effectiveness of these products is determined by their ability to directly deliver active ingredients to the skin by attaching them to the skin. Since the skin acts as a barrier to external substances and emits internal substances, the safety and effectiveness of delivering active ingredients through the skin is crucial.

• **The self-generating microcurrent bio-patch is an innovative patented product**

The company manufactures self-generated microcurrent materials that deliver active ingredients and drugs through the skin and bio patches for skin care and other treatments using them. It is an innovative patented product that generates an electric current on its own without a separate device, opens the ion channels of the skin, and delivers the active ingredients to the dermis cells. The company can enter the global market with materials that solve problems such as skin permeability, safety, and effectiveness that the world's leading cosmetics brands are facing, and is in the process of negotiating with major distributors for production and delivery.