

# South Korea Flow Cytometry Market: Analysis and Forecast, 2024-2033

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## Abstracts

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**Introduction**

Flow cytometry has emerged as a transformative technology in South Korea, driven by advancements in research and industrial applications. This versatile technology enables high-throughput analysis of single cells, offering applications ranging from clinical diagnostics to industrial biotechnology. South Korea's commitment to innovation and R&D investments has catalyzed the adoption of flow cytometry, with significant contributions from key players like Becton, Dickinson and Company, Danaher Corporation (Beckman Coulter), and Thermo Fisher Scientific Inc.

Despite challenges such as high costs and technological complexity, the growth trajectory of flow cytometry in South Korea is promising, supported by government initiatives and increasing healthcare and biotech investments.

## Market Overview

The South Korea flow cytometry market was valued at \$82.12 million in 2024 and is projected to reach \$244.49 million by 2033, growing at a CAGR of 12.89% during the forecast period (2024-2033). Investments in flow cytometry in the country saw a significant year-on-year increase of 23.23% from \$431.3 million in 2020 to \$531.5 million in 2021. This upward trend reflects the growing importance of this technology across clinical, research, and industrial domains.

## Market Segmentation:

## Segmentation 1: by Product

Instruments

Reagents and Consumables

Imaging Systems and Software

## Segmentation 2: by Method

Bead-based Flow Cytometry

Cell-based Flow Cytometry

## Segmentation 3: by Application

Clinical

Research

Industrial

## Segmentation 4: by End-User

Academic and Research Institutes

Hospitals and Clinical Testing Laboratories

Pharmaceutical and Biotechnology Companies

Industrial Companies

Others

## Recent Developments:

### Industrial-Scale Developments

January 2024: SML Meditree partnered with Sengenics to distribute its immune proteomics platform, KREX, in South Korea.

February 2022: IDEXX Laboratories launched the Procyte One analyzer in South Korea, leveraging advanced flow cytometry laser technology.

### Research-Scale Developments

August 2023: Seoul St. Mary's Hospital researchers received recognition for their work on MRD monitoring using multi-parametric flow cytometry.

January 2023: Expansion of Eunpyeong St. Mary's Hospital to enhance its analytical capabilities, including additional flow cytometers.

These developments highlight the expanding role of flow cytometry in both research and clinical settings within South Korea.

### Demand - Drivers and Limitations

The following are the demand drivers for South Korea flow cytometry market:

Increasing Healthcare Investments and Biotechnology and Pharmaceutical Manufacturing in South Korea

Increasing Research and Development Expenditure in the Country

The market is expected to face some limitations due to the following challenges:

High Cost of Acquisition

## Conclusion

The South Korea flow cytometry market is poised for substantial growth, underpinned by increasing investments in healthcare and biotechnology, advancements in technology, and expanding applications in diagnostics and research. Despite challenges such as high costs and reliance on imports, opportunities in automation, AI integration, and emerging clinical applications position South Korea as a key player in the global flow cytometry landscape. Strategic collaborations and adherence to stringent regulatory standards will further bolster the market's trajectory over the next decade.

How can this report add value to an organization?

**Product/Innovation Strategy:** The South Korea flow cytometry market has been extensively segmented on the basis of various categories, such as product, method, application, and end-user. This can help readers get a clear overview of which segments account for the largest share and which ones are well-positioned to grow in the coming years.

**Competitive Strategy:** A detailed competitive benchmarking of the players operating in the South Korea flow cytometry market has been done to help the reader understand how players stack against each other, presenting a clear market landscape. Additionally, comprehensive competitive strategies such as partnerships, agreements, and collaborations will aid the reader in understanding the untapped revenue pockets in the market.

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