

Biobank Equipment Market Expected to Hit USD 12.5 Billion by 2035 with a Remarkable 4.92% CAGR

Thermo Fisher Scientific – Driving innovation in sample storage systems.

US, NY, UNITED STATES, April 9, 2025
/EINPresswire.com/ -- Biobank Equipment Market Set to Reach USD 12.5 Billion by 2035 Driven by Personalized Medicine and Technological Advancements

The global Biobank Equipment Market is poised for significant growth, with its value projected to surge from USD 7.37 billion in 2024 to USD 12.5 billion by 2035, registering a CAGR of 4.92% during the forecast period (2025–2035). This growth trajectory reflects the increasing demand for personalized medicine, the integration of advanced technologies, and substantial investments in research and development.

Market Overview

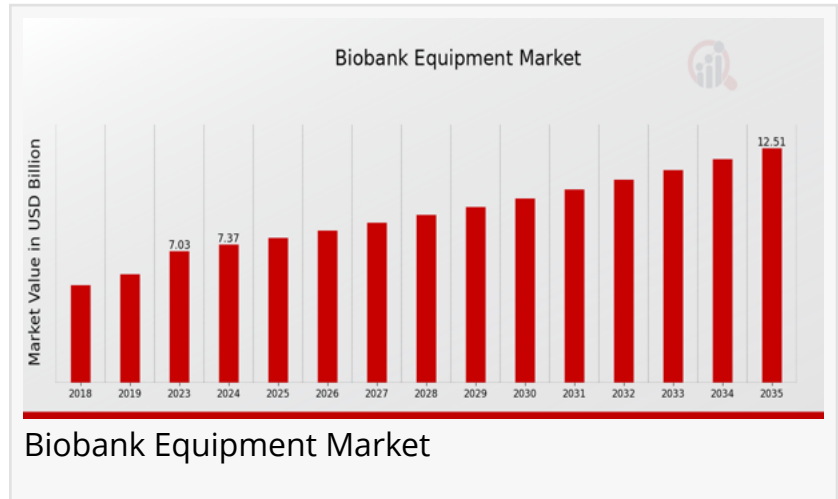
The [Biobank Equipment Market Size](#) is undergoing a transformation fueled by the need for high-quality biological sample storage and management systems. The adoption of AI, automation, and sustainable practices is revolutionizing the biobanking landscape, improving sample processing, and reducing ecological impact. Rising government support and expanding biobank initiatives in emerging economies are further expanding the market's global footprint.

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Scope and Segmentation

The market is segmented into product types, applications, end users, ownership models, and regions, each playing a crucial role in shaping the future of biobanking:



Product Type Insights:

Freezers dominate the market, valued at USD 2.2 billion in 2024, expected to reach USD 3.65 billion by 2035.

Incubators and Refrigerators also show significant growth, reaching USD 2.5 billion and USD 2.45 billion respectively by 2035.

Automated Storage Systems and Sample Processing Systems will see increased adoption as automation becomes central to biobank operations.

Application Insights:

Biobank equipment is instrumental in:

- Clinical Diagnostics
- Research and Development
- Genetic Research
- Pharmaceutical Development
- Biotechnology Innovations

End Use Insights:

Key users include:

- Hospitals
- Research Institutions
- Pharmaceutical Companies
- Biotechnology Firms

Ownership Type Insights:

- Private entities lead innovation and investment.
- Public institutions provide widespread access and collaboration.
- Non-profits focus on rare disease research and public health efforts.

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Regional Analysis

North America maintains a leading position with USD 3.0 billion in 2024, projected to reach USD 5.0 billion by 2035, driven by advanced research infrastructure.

Europe follows, driven by genomics initiatives and collaborative research environments.

Asia-Pacific (APAC) is rapidly emerging, expected to grow from USD 1.5 billion in 2024 to USD 2.5 billion by 2035, supported by healthcare investments and biotechnology expansion.

South America and MEA show rising awareness and infrastructure growth, offering untapped potential for biobank equipment providers.

Key Players and Competitive Landscape

The market features a mix of global leaders and emerging innovators. Key players include:

Merck KGaA – Pioneering sustainable, precision-driven biobanking solutions.

Qiagen – Leading in nucleic acid processing technologies.

Thermo Fisher Scientific – Driving innovation in sample storage systems.

Becton Dickinson, Tecan Group, Agilent Technologies, Biolife Solutions, and Sartorius AG – Advancing automation, traceability, and temperature-controlled storage.

Labcorp, PerkinElmer, Eppendorf AG, Danaher Corporation, Hamilton Company, and Brooks Automation – Expanding global reach with diverse biobank solutions.

These companies are enhancing their competitive positions through strategic partnerships, R&D investments, and sustainable practices that address both market demands and environmental concerns.

Industry Outlook

The future of the Biobank Equipment Market is closely tied to evolving healthcare models, especially the shift towards precision medicine, genomic research, and data-centric clinical workflows. The demand for robust, automated, and eco-friendly biobank infrastructure is accelerating, creating new opportunities for innovation and collaboration across sectors.

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