

In-Depth Analysis Of The Global Clinical Trial Biorepository And Archiving Solutions Market: Drivers, Trends 2025-2034

The Business Research Company's Clinical Trial Biorepository And Archiving Solutions Global Market Report 2025 - Market Size, Trends, And Forecast 2025-2034

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/EINPresswire.com/ -- Strong growth

has been observed in the global clinical trial biorepository and archiving solutions market size in recent years, which went from \$4.10 billion in 2024 to an expected \$4.47 billion in 2025, showcasing a compound annual growth rate CAGR of 8.9%. This notable growth during the historic period can be attributed to the rising prevalence of pharmaceuticals, a growing



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emphasis on molecular profiling, the increasing importance of data storage and management, an escalating demand for medical research and personalized medicine.

What's fueling the growth of the clinical trial biorepository and archiving solutions market going forward?

The clinical trial biorepository and archiving solutions market is expected to continue this trend of strong growth for the next few years. Moving from \$4.47 billion in 2025 to a projected \$6.20 billion in 2029, the market will observe a

CAGR of 8.5%. The growth in the forecast period can be credited to the increasing number of clinical trials, soaring demand for cell and gene therapies, a renewed focus on precision medicine, digital technology adoption amplifying, and a growing health industry. The major trends in the forecast period include developing standardized protocols, integrating cloud-based solutions, innovation in sample preservation techniques, enhanced biorepository solutions, and advanced storage and data management systems.

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What's Driving the Clinical Trial Biorepository And Archiving Solutions Market Growth?

A prime growth driver for the clinical trial biorepository and archiving solutions market is the increasing number of clinical trials. Clinical trials are crucial research studies conducted on humans to assess new medical treatments or drugs' safety, effectiveness, and potential side effects. The rising number of clinical trials can be credited to advancements in medical research and the proliferation of personalized medicine, which demands more diverse and targeted clinical testing. These solutions assist in driving the increasing number of clinical trials by ensuring secure long-term storage, easy retrieval of biological samples, and adherence to regulatory standards, which improves data reliability and expedites future research. As an example, in November 2023, a report published by the Association of the British Pharmaceutical Industry ABPI, stated that the total number of industry clinical trials initiated per year in the UK slightly increased by 4.3%, rising from 394 trials in 2021 to 411 trials in 2022, thereby driving the clinical trial biorepository and archiving solutions market.

What key player strategies are driving the clinical trial biorepository and archiving solutions market?

The clinical trial biorepository and archiving solutions market boasts key industry players that include Thermo Fisher Scientific Inc., GE HealthCare, Labcorp Holdings Inc., IQVIA, ICON plc, Avantor Inc., VWR International LLC, Charles River Laboratories, Parexel, Clinigen Limited, Inotiv Inc., Medpace Holdings Inc., LabConnect LLC, Azenta Life Sciences, HSRL Holdings LLC, EPL Archives, Manuh Solutions LLC, EMINENT Services Corporation, Boca Biolistics LLC, Astorion.

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What are the emerging trends in the clinical trial biorepository and archiving solutions market?

Emerging trends are seen in major companies operating in the market, focusing on innovative solutions like state-of-the-art biorepository facilities to enhance storage, data management, and compliance in clinical research. For instance, in January 2025, Azenta Life Sciences, a US-based biotech company, started a cutting-edge biorepository facility in Greater Boston to back biotech and life sciences industries, thus enabling efficient research, clinical trials, and biobanking while providing secure, compliant offsite storage.

How is the clinical trial biorepository and archiving solutions market segmented?

The clinical trial biorepository and archiving solutions market reporting includes segments such as:

1 By Product: Preclinical Products, Clinical Products

2 By Service: Biorepository Services, Archiving Solution Services

3 By Application: Research And Development , Clinical Trials , Regulatory Compliance , Drug Development

4 By End User: Pharmaceutical Companies, Biotechnology Firms, Contract Research Organizations, Academic Institutions

Subsegments include:

1 Preclinical Products: Biospecimen Storage, Sample Processing And Preservation, Inventory Management Solutions, Data Management And Informatics

2 Clinical Products: Biological Sample Archiving, Drug Compound Storage, Regulatory Compliance Solutions, Temperature-Controlled Storage.

What are the regional insights in the clinical trial biorepository and archiving solutions market? In terms of regional insights, North America was the most prominent region in the clinical trial biorepository and archiving solutions market in 2024. Moreover, Asia-Pacific is anticipated to be the fastest-growing region in the forecast period. Other regions comprehensively covered in the report include Western Europe, Eastern Europe, South America, Middle East, and Africa.

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Americas +1 3156230293

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Oliver Guirdham

The Business Research Company

+44 20 7193 0708

info@tbrc.info

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