

# Cell Banking Outsourcing - Global Market Outlook (2017-2023)

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## Abstracts

According to Statistics MRC, the Global Cell Banking Outsourcing Market is accounted for \$3.2 billion in 2016 and expected to grow at a CAGR of 20.0% to reach \$11.87 billion by 2023. Factors such as tissues required for R&D, cells for the regenerative medicine production, demand for stem cell therapies, increasing number of cord blood banks, development of sophisticated preservation technologies, demand for monoclonal antibodies, increasing prevalence of cancer, demand for ready-to-use bioassay banks are augmenting the market growth. Regenerative medicine, tissue engineering and gene therapy offer the opportunity for curing, number of elderly patients has also significantly increased, and recently adipose tissue banking has become available and offers opportunity to store stem cells for future use. These are the few trends observed by the market. However, ethical concerns related to stem cell research, high cost of therapies, risk of contamination of cell lines by manual errors or environmental conditions are impeding the market growth.

Based on Cell Type, for Stem Cell Banking there is no scientific evidence to substantiate clinical benefits with the use of stem cells derived from cord tissue, placenta, tooth extract etc,. Yet, procurement and banking of these biological is increasingly becoming a commercial activity. For example, use of Umbilical Cord Blood (UCB) derived HSCs for treatment of various haematological and immunological disorders is currently well established. Cord blood stored in private banks is used for either autologous or allogeneic transplants. However, few challenges like regulatory issues, licensure, have increased the cost to bank and some obstetrical practices have been observed.

Based on Bank Master cell bank represents a cell reserve “frozen-in-time”. It prevents contamination and deterioration. The Master cell bank is used for ensuring a stock of

cells to avoid genetic variation within the cell culture. Biosafety testing and characterization methods include sterility and mycoplasma testing, C01 Barcode assay, in vitro and in vivo assays for adventitious viral contaminants, reverse transcription assays, transmission electron microscopy, PCR and qPCR assays, bovine and porcine virus assays, and retroviral infectivity assays.

North America accounted for the largest share due to high number of research and development projects and growing need for vaccines. Asia Pacific is anticipated to witness significant growth owing to investments in biotechnology sector, R&D activities for cancer treatment and fertility preservation.

Some of the key players in Global Cell Banking Outsourcing Market market are SGS Life Sciences, Reliance Life Sciences, PX'Therapeutics SA, Lonza, LifeCell International Pvt. Ltd., Goodwin Biotechnology Inc., GlobalStem Inc., Cryo-Cell International Inc., Wuxi Apptec, Tran-Scell Biologics Pvt. Ltd., Toxikon Corporation, Texcell, Cryobanks International India, Covance and CordLife.

#### Banks Covered:

Viral Cell Banking

Master Cell Banking

Working Cell Banking

#### Phases Covered:

Bank Characterization and Testing

Cell Bank Storage

Cell Bank Preparation

#### Cell Types Covered:

Non-Stem Cell Banking

## Stem Cell Banking

### Regions Covered:

#### North America

US

Canada

Mexico

#### Europe

Germany

UK

Italy

France

Spain

Rest of Europe

#### Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 7 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges,

Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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