

Cell Line Development Market Future Business Opportunities 2021-2028 | Lonza Group AG, Sigma-Aldrich Corporation

Mammalian stem cells (MSCs) are highly exceptional and uniquely suitable for biotechnology and cell therapy.

SEATTLE, WASHINGTON, UNITED STATES, November 17, 2021 /EINPresswire.com/ -- Overview

Mammalian stem cells (MSCs) are highly exceptional and uniquely suitable for biotechnology and cell therapy. They have come from a close relationship with the human body and its diverse set of requirements. Adult stem cells derived from a person's bone marrow are extremely unique and can be easily used in the treatment of many health disorders and also regenerate tissue. It is truly the best kept secret in the biotechnology world. Mammalian stem cells command a strong global monopoly for the creation of therapeutic proteins which require post-transcriptional modifications to acquire the desired functionality.

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Competitive Landscape

Major companies contributing to the global [cell line development market](#) include PXTherapeutics SA., Thermo Fisher Scientific, Inc., American Type Culture Collection, Corning, Inc., Sigma-Aldrich Corporation, Goodwin Biotechnology Inc., Lonza Group AG, Cleancells, Wuxi App Tec, Inc., Sartorius AG, European Collection of Cell Cultures, GE Healthcare, and Selexis SA.

Drivers

Growing application of gene expression in production of recombinant monoclonal antibodies in the biopharmaceutical sector is expected to propel growth of the cell line development market throughout the forecast period.

In addition to this, rising expenditure on vaccine discovery and development is expected to supplement growth of the cell line development market during the forecast period.

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Summary of the COVID-19 Debacle

The global cell line development market has positively responded to the onset of the COVID-19 virus. In April 2020, a Chinese research team reported that the COVID-19 virus down-regulated the angiotensin-converting enzyme 2 (ACE2), which is found in several human organs. This report accelerated research and development activities on antibodies in vaccine development programs.

Key Takeaways

The cell line development market is anticipated to grow at a CAGR of XX % during the forecast period owing to the increased investments in vaccine development combined with the advancements in the biopharmaceutical sector. For instance, in March 2021, the Food and Drug Administration (FDA) issued EUAs (emergency use authorizations) to the U.S. hospitals to use non-approved monoclonal antibodies in critical COVID-19 patients under valid circumstances.

Over the regional frontiers, the North American region is at the front-seat in the global cell line development market on account of elevated R&D efforts and well-established healthcare infrastructure.

In contrast, the Asia Pacific region is sustaining well for the global cell line development market in line with a flourishing biopharmaceutical sector and increasing investments in drug discovery process.

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Contact:

Coherent Market Insights

1001 4th Ave, #3200 Seattle, WA 98154, U.S.

Email: sales@coherentmarketinsights.com

United States of America: +1-206-701-6702

United Kingdom: +44-020-8133-4027

Japan: +050-5539-1737

India: +91-848-285-0837

Raj Shah

Coherent Market Insights Pvt. Ltd.

+1 206-701-6702

[email us here](#)

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