

Stem Cell Assay Market: Trends, Opportunities and Competitive Analysis [2023-2028]

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Abstracts

Stem Cell Assay Market Trends and Forecast

The future of the global stem cell assay market looks promising with opportunities in biopharmaceutical & biotechnology companies and academic & research institutes. The global stem cell assay market is expected to reach an estimated \$4.0 billion by 2028 with a CAGR of 19.1% from 2023 to 2028. The major drivers for this market are increasing awareness of the therapeutic potency of stem cells, rising acceptance of the current stem cell culture technology, and growing cases of cancer and cardiovascular diseases.

A more than 150-page report is developed to help in your business decisions. A sample figure with some insights is shown below.

Stem Cell Assay Market by Segment

The study includes trends and forecast for the global stem cell assay market by type, cell type, product & service, application, end use industry, and region, as follows:

Stem Cell Assay Market by Type [Value (\$B) Shipment Analysis from 2017 to 2028]:

Viability or Cytotoxicity

Isolation and Purification

Cell Identification

Proliferation

Differentiation

Function

Apoptosis

Others

Stem Cell Assay Market by Cell Type [Value (\$B) Shipment Analysis from 2017 to 2028]:

Adult

Mesenchymal

Induced Pluripotent

Hematopoietic

Umbilical Cord

Neural

Human Embryonic

Stem Cell Assay Market by Product & Service [Value (\$B) Shipment Analysis from 2017 to 2028]:

Instruments

Flow Cytometers

Microelectrode Arrays

Cell Imaging & Analysis Systems

Automated Cell Counters

Kits

Services

Stem Cell Assay Market by Application [Value (\$B) Shipment Analysis from 2017 to 2028]:

Regenerative Medicine & Therapy Development

Orthopedic, Musculoskeletal, and Spine Application

Dermatology Application

Cardiovascular Application

CNS Application

Oncology Application

Diabetes Application

Drug Discovery & Development

Clinical Research

Stem Cell Assay Market by End Use Industry [Value (\$B) Shipment Analysis from 2017 to 2028]:

Biopharmaceutical & Biotechnology Companies

Academic & Research Institutes

Stem Cell Assay Market by Region [Value (\$B) Shipment Analysis from 2017 to 2028]:

North America

Europe

Asia Pacific

The Rest of the World

List of Stem Cell Assay Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies, stem cell assay companies cater to increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the stem cell assay companies profiled in this report include-

Thermo Fisher Scientific

Merck KGaA

Danaher

Becton, Dickinson and Company

Agilent Technologies

Bio-Techne Corporation

Lonza Group

PerkinElmer

Cell Biolabs

Bio-Rad Laboratories

Stem Cell Assay Market Insights

Lucintel forecasts that viability/cytotoxicity assay will remain the largest type segment over the forecast period due to increasing adoption of assays in toxicology and pharmacology application as it helps in determining the number of live and dead cells in a growth medium.

Within this market, the biopharmaceutical & biotechnology companies segment is expected to record the highest growth due to growing prevalence of chronic diseases, an increase in the number of clinical trials, and growing strategic activities along with improvements in healthcare services.

North America is expected to witness the highest growth during the forecast period due to the presence of well-established research infrastructure and increasing government initiatives for stem cell-based research in the region.

Features of the Stem Cell Assay Market

Market Size Estimates: Stem cell assay market size estimation in terms of value (\$B)

Trend and Forecast Analysis: Market trends (2017-2022) and forecast (2023-2028) by various segments and regions.

Segmentation Analysis: Stem cell assay market size by various segments, such as by type, cell type, product & service, application, end use industry, and region

Regional Analysis: Stem cell assay market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis on growth opportunities in different by type, cell type, product & service, application, end use industry, and regions for the stem cell assay market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape for the stem cell assay market.

Analysis of competitive intensity of the industry based on Porter's Five Forces

model.

FAQ

Q1. What is the stem cell assay market size?

Answer: The global stem cell assay market is expected to reach an estimated \$4.0 billion by 2028.

Q2. What is the growth forecast for stem cell assay market?

Answer: The global stem cell assay market is expected to grow with a CAGR of 19.1% from 2023 to 2028.

Q3. What are the major drivers influencing the growth of the stem cell assay market?

Answer: The major drivers for this market are increasing awareness about the therapeutic potency of stem cells, rising acceptance of the current stem cell culture technology, and growing cases of cancer and cardiovascular diseases.

Q4. What are the major segments for stem cell assay market?

Answer: The future of the stem cell assay market looks promising with opportunities in biopharmaceutical & biotechnology companies and academic & research institutes.

Q5. Who are the key stem cell assay companies?

Answer: Some of the key stem cell assay companies are as follows:

Thermo Fisher Scientific

Merck KGaA

Danaher

Becton, Dickinson and Company

Agilent Technologies

Bio-Techne Corporation

Lonza Group

PerkinElmer

Cell Biolabs

Bio-Rad Laboratories

Q6. Which stem cell assay segment will be the largest in future?

Answer: Lucintel forecasts that viability/cytotoxicity assay will remain the largest segment over the forecast period due to increasing adoption of assays in toxicology and pharmacology application as it helps in determining the number of live and dead cells in a growth medium.

Q7. In stem cell assay market, which region is expected to be the largest in next 5 years?

Answer: North America is expected to witness the highest growth during the forecast period due to the presence of well-established research infrastructure and increasing government initiatives for stem cell-based research in the region.

Q8. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1. What are some of the most promising, high-growth opportunities for the stem cell assay market by type (viability or cytotoxicity, isolation and purification, cell identification, proliferation, differentiation, function, apoptosis, and others), cell type (adult, mesenchymal, induced pluripotent, hematopoietic, umbilical cord, neural, human embryonic), product & service (instruments, flow cytometers, microelectrode arrays, cell imaging & analysis systems, automated cell counters, and kits services), application (regenerative medicine & therapy development, orthopedic, musculoskeletal, and spine application, dermatology application, cardiovascular application, CNS application,

oncology application, diabetes application, drug discovery & development, and clinical research), end use industry (biopharmaceutical & biotechnology companies and academic & research institutes), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last five years and what has its impact been on the industry?

For any questions related to stem cell assay market or related stem cell assay companies, stem cell assay market size, stem cell assay market share, stem cell assay analysis, write Lucintel analyst at email: helpdesk@lucintel.com we will be glad to get back to you soon.

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