

# **Stem Cell Manufacturing Market Size, Share & Trends Analysis By Product, By Application, By End-User, Regional Outlook, Competitive Strategies and Segment Forecasts to 2030**

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## **Abstracts**

Global Stem Cell Manufacturing Market projected to be worth USD 24.77 billion by 2030.

According to SPER Market Research, the Stem Cell Manufacturing Market estimated to reach USD 24.77 billion by 2030 with a CAGR of 8.9%. Encouraging regulatory framework, increasing investments in stem cell-based research, and growing alertness regarding the therapeutic potency of stem cell products; are the fuels for the escalation of the market.

### **Impact of COVID-19 on the Stem Cell Manufacturing Market**

The outbreak of COVID-19; lead to lockdown globally, in turn negatively impacted the stem cell manufacturing market.

### **Scope of the report:**

Market size available for years 2019-2030

Base year considered 2021

Forecast period 2022-2030

Segments covered By Product, By Application, By End-User, By Region

Geographies covered North America, Europe, Asia Pacific, Latin America , Middle East, Africa

Companies Covered Anterogen, Becton, Bio-Rad Laboratories, Bio-Techne Corporation, Cellgenix GMBH, Corning Inc., Danaher Corporation, Dickinson and Company, Eppendorf AG, Fujifilm Holdings Corporation, Getinge, Himedia Laboratories,

Lonza Group AG, Merck Millipore, Miltenyi Biotec, Promocell, Sartorius AG, Stemcell Technologies, Takara Bio Group, Terumo BCT Inc., Thermo Fisher Scientific.

**Driver:** increasing venture capital investments in stem cell research

The increase in the public-private partnership investment in research for developing stem cell based technology. Stem cells are effective in disease management, personalized medicine and genomic testing.

**Restraint:** operational costs allied with stem cell manufacturing and banking

Expert techniques are used for stem cell isolation, purification, and storage. High operational cost coupled with stem cell manufacturing. Therefore, stem cell products are frequently available at a higher price than pharmaceutical drugs and biologics.

**Opportunity:** encouraging regulatory framework across developing countries

Regulatory reforms in the stem cell industries by the emerging countries meant for commercialization and research allied to stem cell therapy. Encouraging regulatory frameworks across developing countries are anticipated to offer huge opportunities to players in the market.

**Challenges:**

Technical limitations coupled with manufacturing scale-up, Socio-ethical concerns associated to the use of allogeneic and human embryonic stem cells; are the challenges to the market.

**Global Stem Cell Manufacturing Market, By Product:**

Based on the Product, Global Stem Cell Manufacturing Market is segmented as; Consumables (Culture Media, Other Consumables), Instruments (Bioreactors and Incubators, Cell Sorters, Other Instruments), Stem Cell Lines [Embryonic stem cells (ESC), Hematopoietic stem cells (HSC), Induced Pluripotent Stem cells (iPSC), Mesenchymal stem cells (MSC), Multipotent adult progenitor stem cells, Neural Stem cells (NSC)].

**Global Stem Cell Manufacturing Market, By Application:**

Based on the Application, Global Stem Cell Manufacturing Market is segmented as; Research Applications (Life science research, Drug discovery and development), Clinical Application (Allogenic stem cell therapy, Autologous stem cell therapy), Cell & Tissue Banking Applications.

**Global Stem Cell Manufacturing Market, By End-User:**

Based on the End-User, Global Stem Cell Manufacturing Market is segmented as; Pharmaceutical & Biotechnology Companies, Academic institutes, Research laboratories & contract research organizations, Hospitals & surgical centers, Cell & tissue banks, Other End Users.

Global Stem Cell Manufacturing Market, By Region:

North America dominates the prime share of the stem cell manufacturing market; and this is due to the public-private funding and grants, extensive in progress stem cell research activities and support for the clinical evaluation of stem cells.

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