

# **Global Induced Pluripotent Stem Cells Market Size study, by Derived Cell Type (Hepatocytes, Fibroblasts, Keratinocytes, Amniotic Cells, Others), , by Application (Drug Development and Discovery, Regenerative Medicine, Toxicology Studies, Others), by End-Use (Research & Academic Institutes, Biotechnology & Pharmaceutical Companies, Hospitals & Clinics) and Regional Forecasts 2021-2027**

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## **Abstracts**

Global Induced Pluripotent Stem Cells Market is valued approximately USD 0.95 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 8.0 % over the forecast period 2021-2027. When adult somatic cells have been genetically reprogrammed to an embryonic stem (ES) cell-like state by the forced expression of genes and proteins necessary for preserving the distinguishing features of ES cells, results in Induced Pluripotent stem (iPS) cells. iPS cells have extensive applications and have potential in drug development and discovery. As stated by National Center for Biotechnology Information, iPSC based regenerative treatment is a unique way to improve the function of deteriorated organs due to ageing such as genetic predisposition, injuries, age related muscular degeneration and chemotherapies. The increasing awareness about iPSC will drive the market. According to National Center for Biotechnology Information, iPSCs have grown popularity as more dependable in vitro human disease models for faster drug development and tailored precision medicine. National Institute of Neurological Disorders and stroke estimated the total fundings Stem Cell Research for \$1626 million in financial year 2019. However, high storage cost impedes the growth of the market over the forecast period of 2021-2027. Also, with the

increasing prevalence of Chronic diseases, the adoption & demand for Induced Pluripotent Stem Cells is likely to increase the market growth during the forecast period.

The regional analysis of global Induced Pluripotent Stem Cells market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading region across the world in terms of market share owing to the favorable government initiatives and availability of advanced research facilities. Whereas, Europe is also anticipated to exhibit highest growth rate over the forecast period 2021-2027. Factors such as improving healthcare infrastructure would create lucrative growth prospects for the Induced Pluripotent Stem Cells market across Asia-Pacific region.

Major market player included in this report are:

Lonza

Axol Biosciences Ltd.

Evitec

Hitachi Ltd.

Merck KGaA

REPROCELL Inc.

Fate Therapeutics

Thermo Fisher Scientific, Inc.

StemCellDactory III

Applied StemCell Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Derived Cell Type:

Hepatocytes

Fibroblasts

Keratinocytes

Amniotic Cells

Others

**By Application:**

Drug development and Discovery

Regenerative Medicine

Toxicology Studies

Others

**By End-Use:**

Research &amp; Academic Institutes

Biotechnology &amp; Pharmaceuticals Companies

Hospitals &amp; Clinics

**By Region:**

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027

Target Audience of the Global Induced Pluripotent Stem Cells Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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