+44 20 8123 2220
info@marketpublishers.com

Induced Pluripotent Stem Cells: Global Markets

https://marketpublishers.com/r/I9A46DFC02FEN.html
Date: November 2024
Pages: 152
Price: US$ 4,650.00 (Single User License)
ID: I9A46DFC02FEN

Abstracts

Report Scope

The scope of this study encompasses an investigation of the market. BCC Research analyzes this market based on application type, product function, generation of iPSC and types of iPSC derived cells and species. Application-based market segments include drug development and toxicity testing, academic research and regenerative medicine. Product function-based market segments include molecular and cellular engineering, cellular reprogramming, cell culture, cell differentiation and cell analysis. iPSC-derived cell-type-based market segments include hepatocytes, neurons, cardiomyocytes, endothelial cells and other cell types. Other cell types include astrocytes, fibroblasts and hematopoietic progenitor cells. BCC Research determines the current market status in each segment, examines its impact on future needs and presents growth forecasts through 2028.

The report also provides a detailed analysis of the market's drivers, restraints, challenges and opportunities. In addition, the report includes the company profiles of the key players with detailed information about their business segments, financials, product portfolios and recent developments. it also provides detailed information on this market, emerging technologies and new developments, regulatory landscape, patent analysis, pipeline analysis and investment outlook and deals.

Report Includes

28 data tables and 56 additional tables

An analysis of the global market for induced pluripotent stem cells (iPSCs) or artificial stem cells

+44 20 8123 2220
info@marketpublishers.com

Analyses of global market trends, with market revenue data from 2020 to 2023, and projected CAGRs through 2028

Estimate of the size and revenue prospects of the global market, along with a market share analysis by reprogramming method, generation method, application, product function, iPSC-derived cell type, species, end use, and region

Facts and figures pertaining to the market dynamics, technological advances, regulations, and the macroeconomic factors that influence the industry

A Porter's Five Forces model, as well as global supply chain and PESTLE analyses

Insights into iPSC research activity, emerging technologies, clinical trials and pipeline products

Patent activity and analysis of recent patent grants/publications

Overview of sustainability trends and ESG developments, with emphasis on consumer attitudes, ESG score analysis, and the ESG practices of leading companies

Analysis of the industry structure, including company market shares, strategic alliances, M&A activity and a venture funding outlook

Profiles of market leaders, including Fujifilm Cellular Dynamics (FCDI) Inc., Axol Bioscience Ltd., Merck KGaA, Thermo Fisher Scientific Inc., and Takara Bio Inc.

+44 20 8123 2220
info@marketpublishers.com

Contents

CHAPTER 1 EXECUTIVE SUMMARY

Market Outlook
Scope of Report
Market Summary

CHAPTER 2 MARKET OVERVIEW

Introduction
Induced Pluripotent Stem Cells (iPSC) Generation

CHAPTER 3 MARKET DYNAMICS

Global Market Dynamics
Market Drivers
Increasing Prevalence of Chronic Diseases
Increasing Investment in Biotechnology Industry
Increasing Demand for Personalized Medicines
Increasing Investments for Drug Research and Development
Demand for Effective Drug Discovery and Development Process
Minimizing Animal Testing
Market Restraints
High Development Costs and Lack of Skilled Workforce
Challenges Associated with iPSC-based Disease Modeling, Cell Therapy and Drug Discovery
Market Opportunities
Technological Advances
Growth in iPSC Banking

CHAPTER 4 EMERGING TECHNOLOGIES AND DEVELOPMENTS

Advances in the iPSC Research
Reprogramming Technologies
Gene Editing Technologies

3D ORGANOIDS

+44 20 8123 2220
info@marketpublishers.com

Regenerative Medicine
Evolution and Current Application of Artificial Intelligence (AI) in iPSC Research

CHAPTER 5 CLINICAL TRIAL ANALYSIS

Clinical Trials

CHAPTER 6 PATENT ANALYSIS

Patent Analysis

CHAPTER 7 MARKET SEGMENTATION ANALYSIS

Segmentation Breakdown
Overview
Generation of Induced Pluripotent Stem Cells -- Market Analysis, by Reprogramming Method
Market for Induced Pluripotent Stem Cells, by Generation Method
Market for Induced Pluripotent Stem Cells, by Application
Academic Research
Pharmaco-toxicological Screening
Drug Discovery and Development
Disease Modeling
Tissue Engineering
Cell Therapy
Global Market
Regional Markets for iPSCs, by Application
iPSC-derived Tissue Cell Market, by Type
Cardiomyocytes
Neurons
Endothelial Cells
Hepatocytes
Other Cells
iPSC-derived Tissue Cell Market, by Species
Global Market
iPSC-derived Tissue Cell Market, by Application
Global Market
Market for Induced Pluripotent Stem Cells, by Product Function
Global Market

+44 20 8123 2220
info@marketpublishers.com

Regional Markets for iPSCs, by Product Function
Market for Induced Pluripotent Stem Cells, by End Use
Induced Pluripotent Stem Cell Contract Service Types
Major Players
Global Market
Geographic Breakdown
Market for Induced Pluripotent Stem Cells, by Region
The U.S.
Europe
Asia-Pacific
Rest of the World

CHAPTER 8 COMPETITIVE INTELLIGENCE

Competitive Landscape -- Overview
Strategic Analysis
Agreements
Collaborations & Strategic Alliances
Partnerships
New Product Development and Launches
Expansions and Acquisitions
Fund Raising
Approval and Clinical Trials
Others
Major Companies in Induced Pluripotent Stem Cells Market, by Type of Offerings

CHAPTER 9 APPENDIX

Methodology
Abbreviations
Sources
Company Profiles
ATCC
AXOL BIOSCIENCE LTD.
BIO-TECHNE
FUJIFILM CELLULAR DYNAMICS INC.
LONZA
MERCK KGAA
NCARDIA

+44 20 8123 2220
info@marketpublishers.com

QIAGEN
REPROCELL INC.
STEMCELL TECHNOLOGIES
TAKARA BIO INC.
THERMO FISHER SCIENTIFIC INC.

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLESSUMMARY TABLE : GLOBAL MARKET FOR INDUCED PLURIPOTENT STEM CELLS, BY REPROGRAMMING METHOD, THROUGH 2028

Table 1 : Projected Number of Adults 50 Years and Older with ?1 Chronic Condition in the United States, 2020–2050
Table 2 : The U.S. NIH Funding for Various Disease Conditions, 2019–2025
Table 3 : Brief Information on iPSC Repositories
Table 4 : Induced Pluripotent Stem Cells Pipeline, 2023
Table 5 : List of Selected Patents Published on iPSC Technology, 2021
Table 6 : List of Selected Patents Published on iPSC Technology, 2022
Table 7 : List of Selected Patents Published on iPSC Technology, 2023
Table 8 : List of Selected Patents Published on iPSC Technology, Till August 2024
Table 9 : Summary of Different Reprogramming Methods
Table 10 : Global Market for the Generation of Induced Pluripotent Stem Cells, by Reprogramming Method, Through 2028
Table 11 : Global Market for Induced Pluripotent Stem Cells, by Method, Through 2028
Table 12 : Selected Interventional Clinical Trials of iPSC-based Cell Therapy
Table 13 : Global Market for Induced Pluripotent Stem Cells, by Application, Through 2028
Table 14 : The U.S. Market for Induced Pluripotent Stem Cells, by Application, Through 2028
Table 15 : European Market for Induced Pluripotent Stem Cells, by Application, Through 2028
Table 16 : Asia-Pacific Market for Induced Pluripotent Stem Cells, by Application, Through 2028
Table 17 : RoW Market for Induced Pluripotent Stem Cells, by Application, Through 2028
Table 18 : Global Market for Induced Pluripotent Stem Cell-derived Tissue Cells, by Type, Through 2028
Table 19 : Global Market for Induced Pluripotent Stem Cell-derived Tissue Cells, by Species, Through 2028
Table 20 : Global Market for Induced Pluripotent Stem Cell-derived Tissue Cells, by Application, Through 2028
Table 21 : Global Market for Induced Pluripotent Stem Cells, by Product Function, Through 2028
Table 22 : The U.S. Market for Induced Pluripotent Stem Cells, by Product Function, Through 2028

+44 20 8123 2220
info@marketpublishers.com

Table 23 : European Market for Induced Pluripotent Stem Cells, by Product Function, Through 2028
Table 24 : Asia-Pacific Market for Induced Pluripotent Stem Cells, by Product Function, Through 2028
Table 25 : RoW Market for Induced Pluripotent Stem Cells, by Product Function, Through 2028
Table 26 : Global Market for Induced Pluripotent Stem Cells, by End Use, Through 2028
Table 27 : Major Companies Providing iPSC Contract Services, by State/Country
Table 28 : Global Market for Induced Pluripotent Stem Cell Contract Services, by Region, Through 2028
Table 29 : Global Market for Induced Pluripotent Stem Cells, by Region, Through 2028
Table 30 : The U.S. Market for Induced Pluripotent Stem Cells, by State, Through 2028
Table 31 : European Market for Induced Pluripotent Stem Cells, by Country, Through 2028
Table 32 : Asia-Pacific Market for Induced Pluripotent Stem Cells, by Country, Through 2028
Table 33 : Agreements: Induced Pluripotent Stem Cells Market, 2019-2024
Table 34 : Collaborations and Strategic Alliances: Induced Pluripotent Stem Cells Market, 2019-2024
Table 35 : Partnerships: Induced Pluripotent Stem Cells Market, 2020-2023
Table 36 : New Product Development and Launches: Induced Pluripotent Stem Cells Market, 2020-2023
Table 37 : Expansions and Acquisitions: Induced Pluripotent Stem Cells Market, 2020–2023
Table 38 : Fund Raising: Induced Pluripotent Stem Cells Market, 2020-2024
Table 39 : Approvals and Clinical Trials: Induced Pluripotent Stem Cells Market, 2020-2024
Table 40 : Other Competitive Strategies: Induced Pluripotent Stem Cells Market, 2020-2024
Table 41 : Major Companies in the Induced Pluripotent Stem Cells Market
Table 42 : Glossary of Terms Used in This Report
Table 43 : Report Information Sources
Table 44 : ATCC: Company Snapshot
Table 45 : ATCC: Product Portfolio
Table 46 : ATCC: News/Key Developments, 2023 and 2024
Table 47 : Axol Bioscience Ltd.: Company Snapshot
Table 48 : Axol Bioscience Ltd.: Product Portfolio
Table 49 : Axol Bioscience Ltd.: News/Key Developments, 2021-2024
Table 50 : Bio-Techne: Company Snapshot

+44 20 8123 2220
info@marketpublishers.com

Table 51 : Bio-Techne: Financial Performance, FY 2022 and 2023
Table 52 : Bio-Techne: Product Portfolio
Table 53 : Bio-Techne: News/Key Developments, 2021-2023
Table 54 : Fujifilm Cellular Dynamics Inc.: Company Snapshot
Table 55 : Fujifilm Cellular Dynamics Inc.: Product Portfolio
Table 56 : Fujifilm Cellular Dynamics Inc.: News/Key Developments, 2021–2023
Table 57 : Lonza: Company Snapshot
Table 58 : Lonza: Financial Performance, FY 2022 and 2023
Table 59 : Lonza: Product Portfolio
Table 60 : Lonza: News/Key Developments, 2020
Table 61 : Merck KGaA: Company Snapshot
Table 62 : Merck KGaA: Financial Performance, FY 2022 and 2023
Table 63 : Merck KGaA.: Product Portfolio
Table 64 : Merck KGaA: News/Key Developments, 2021-2024
Table 65 : Ncardia: Company Snapshot
Table 66 : Ncardia: Product Portfolio
Table 67 : Ncardia: News/Key Developments, 2021-2024
Table 68 : Qiagen: Company Snapshot
Table 69 : Qiagen: Financial Performance, FY 2022 and 2023
Table 70 : Qiagen: Product Portfolio
Table 71 : REPROCELL Inc.: Company Snapshot
Table 72 : REPROCELL Inc.: Product Portfolio
Table 73 : REPROCELL Inc.: News/Key Developments, 2021-2024
Table 74 : STEMCELL Technologies.: Company Snapshot
Table 75 : STEMCELL Technologies: Product Portfolio
Table 76 : STEMCELL Technologies: News/Key Developments, 2021-2022
Table 77 : Takara Bio Inc.: Company Snapshot
Table 78 : Takara Bio Inc.: Financial Performance, FY 2022 and 2023
Table 79 : Taraka Bio Inc.: Product Portfolio
Table 80 : Thermo Fisher Scientific Inc.: Company Snapshot
Table 81 : Thermo Fisher Scientific Inc.: Financial Performance, FY 2022 and 2023
Table 82 : Thermo Fisher Scientific Inc.: Product Portfolio
Table 83 : Thermo Fisher Scientific Inc.: News/Key Developments, 2023 and 2024

+44 20 8123 2220
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Summary Figure : Global Market for Induced Pluripotent Stem Cells, by Reprogramming Method, 2020-2028
Figure 1 : Methodology for the Generation of Induced Pluripotent Stem Cells
Figure 2 : Snapshot of the Market Dynamics for iPSCs
Figure 3 : Venture Averages for Biopharma Therapeutics and Platform Companies, 2010-2024
Figure 4 : Personalized Medicines Contribution in Total FDA Approvals, 2015-2023
Figure 5 : Global Pharmaceutical R&D Spending, by Select Country/Region, 2010-2022
Figure 6 : Phases of the Pharmaceutical Industry Research and Development Process
Figure 7 : iPSC-derived Organoids Used for Drug Screening
Figure 8 : Temporal Distribution of Studies Using ESCs, iPSCs, Somatic Cell Nuclear Transfer (SCNT) Cells and Parthenotic PSCs (pPSCs), Jan 1, 2011–Dec 13, 2022
Figure 9 : Clinical-trial Analysis: Induced Pluripotent Stem Cells, as of August 2024
Figure 10 : Number of Patents Documented Over Time on iPSC Technology, 2010-2024
Figure 11 : Number of Granted Patents Documents on iPSC Technology, by Country, 2021-2024
Figure 12 : PubMed Citations and Human iPSC Lines Registered in hPSCreg and EBiSC, 2007-2022
Figure 13 : Published Applications of hiPSC Technology from Top 20 Pharma Companies, 2010-2020
Figure 14 : Global Market for the Generation of Induced Pluripotent Stem Cells, by Reprogramming Method, 2020-2028
Figure 15 : Global Market Shares of Induced Pluripotent Stem Cells, by Reprogramming Method, 2022
Figure 16 : Global Market for Induced Pluripotent Stem Cells, by Method, 2020-2028
Figure 17 : Global Market Shares of Induced Pluripotent Stem Cells, by Method, 2022
Figure 18 : Utility of hiPSCs to Humanize Drug Discovery
Figure 19 : Autologous and Allogeneic iPSC-Based Cell Therapy
Figure 20 : Global Market for Induced Pluripotent Stem Cells, by Application, 2020-2028
Figure 21 : Global Market Shares of Induced Pluripotent Stem Cells, by Application, 2022
Figure 22 : The U.S. Market Shares of Induced Pluripotent Stem Cells, by Application, 2022
Figure 23 : European Market Shares of Induced Pluripotent Stem Cells, by Application,

2022
Figure 24 : Asia-Pacific Market Shares of Induced Pluripotent Stem Cells, by Application, 2022
Figure 25 : RoW Market Shares of Induced Pluripotent Stem Cells, by Application, 2022
Figure 26 : Global Market for Induced Pluripotent Stem Cell-derived Tissue Cells, by Type, 2020-2028
Figure 27 : Global Market Shares of Induced Pluripotent Stem Cell-derived Tissue Cells, by Type, 2022
Figure 28 : Global Market for Induced Pluripotent Stem Cell-derived Tissue Cells, by Species, 2020-2028
Figure 29 : Global Market Shares of Induced Pluripotent Stem Cell-derived Tissue Cells, by Application, 2022
Figure 30 : Global Market Shares of Induced Pluripotent Stem Cells, by Product Function, 2022
Figure 31 : The U.S. Market Shares of Induced Pluripotent Stem Cells, by Product Function, 2022
Figure 32 : European Market Shares of Induced Pluripotent Stem Cells, by Product Function, 2022
Figure 33 : Asia-Pacific Market Shares of Induced Pluripotent Stem Cells, by Product Function, 2022
Figure 34 : RoW Market Shares of Induced Pluripotent Stem Cells, by Product Function, 2022
Figure 35 : Global Market Shares of Induced Pluripotent Stem Cells, by End Use, 2022
Figure 36 : Global Market Shares of Induced Pluripotent Stem Cell Contract Services, by Region, 2022
Figure 37 : Global Market Shares of Induced Pluripotent Stem Cells, by Region, 2022
Figure 38 : NIH Spending on Induced Pluripotent Stem Cell Research in the U.S., 2015-2023
Figure 39 : The U.S. Market Shares of Induced Pluripotent Stem Cells, by State, 2022
Figure 40 : European Market Shares of Induced Pluripotent Stem Cells, by Country, 2028
Figure 41 : Asia-Pacific Market Shares of Induced Pluripotent Stem Cells, by Country, 2022
Figure 42 : Global Market Shares of Induced Pluripotent Stem Cells, by Key Strategies Adopted, 2019-2024
Figure 43 : Bio-Techne: Revenue Share, by Business Unit, FY 2023
Figure 44 : Bio-Techne: Revenue Share, by Country/Region, FY 2023
Figure 45 : Lonza: Revenue Share, by Business Unit, FY 2023
Figure 46 : Lonza: Revenue Share, by Country/Region, FY 2023

+44 20 8123 2220
info@marketpublishers.com

Figure 47 : Merck KGaA: Revenue Share, by Business Unit, FY 2023
Figure 48 : Merck KGaA: Revenue Share, by Country/Region, FY 2023
Figure 49 : Qiagen: Revenue Share, by Business Unit, FY 2023
Figure 50 : Qiagen: Revenue Share, by Country/Region, FY 2023
Figure 51 : Takara Bio Inc.: Revenue Share, by Business Unit, FY 2023
Figure 52 : Takara Bio Inc.: Revenue Share, by Country/Region, FY 2023
Figure 53 : Thermo Fisher Scientific Inc.: Revenue Share, by Business Unit, FY 2023
Figure 54 : Thermo Fisher Scientific Inc.: Revenue Share, by Country/Region, FY 2023

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Induced Pluripotent Stem Cells: Global Markets

Product link: https://marketpublishers.com/r/I9A46DFC02FEN.html

Price: US$ 4,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/I9A46DFC02FEN.html