

Organoid and Spheroid Market Report: Trends, Forecast and Competitive Analysis

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Abstracts

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The future of the global organoid and spheroid market looks promising with opportunities in developmental biology, personalized medicine, regenerative medicine, disease pathology study, and drug toxicity & efficacy testing applications. The global organoid and spheroid market is expected to grow with a CAGR of 22%-24% from 2020 to 2025. The major drivers for this market are rising drug development activity and increasing demand for tissue engineering and organ transplantation.

A total of XX figures / charts and XX tables are provided in this more than 150-page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope, benefits, companies researched, and other details of the global organoid and spheroid market report, please download the report brochure.

In this market, spheroids is the largest type segment of organoid and spheroid, whereas development of regenerative medicine is the largest application. Growth in various segments of the organoid and spheroid market are given below:

The study includes trends and forecast for the global organoid and spheroid market by type, application, end use, and region as follows:

By Type [Value (\$ Million) shipment analysis for 2014 – 2025]:

Organoids

By Product Type:

? Neural Organoids

? Hepatic Organoids

? Intestinal Organoids

? Other Organoids

By Method:

? General Submerged Method for Organoid Culture

? Crypt Organoid Culture Techniques

? Air Liquid Interface (ALI) Method for Organoid Culture

? Clonal Organoids from Lgr5+ Cells

? Brain and Retina Organoid Formation Protocol

By Source:

? Primary Tissues

? Stem Cells

Spheroids

By Product Type:

? Multicellular Tumor Spheroids (MCTS)

? Neurospheres

? Mammospheres

? Hepatospheres

? Embryoid Bodies

By Method:

? Micropatterned Plates

? Low Cell Attachment Plates

? Hanging Drop Method

? Others

By Source:

? Cell Line

? Primary Cell

? iPSCs (Induced Pluripotent Stem Cells) Derived Cells

By Application [Value (\$ Million) shipment analysis for 2014 – 2025]:

Developmental Biology

Personalized Medicine

Regenerative Medicine

Disease Pathology Studies

Drug Toxicity & Efficacy Testing

By End Use [Value (\$ Million) shipment analysis for 2014 – 2025]:

Biotechnology and Pharmaceutical Industries

Academic & Research Institutes

Hospitals and Diagnostic Centers

By Region [Value (\$ Million) shipment analysis for 2014 – 2025]:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Asia Pacific

China

India

Japan

The Rest of the World

Brazil

Some of the organoid and spheroid companies profiled in this report include 3D Biomatrix, 3D Biotek, AMS Biotechnology, ATCC, Cellesce, Corning, Greiner Bio-One, Hubrecht Organoid Technology (HUB), PerkinElmer; and Kuraray.

Lucintel forecasts that spheroids will remain the largest type segment over the forecast period due to its increasing usage in drug discovery and cancer research.

Within this market, biotechnology and pharmaceutical industries will remain the largest end user segment over the forecast period due to increasing usage of organoids and spheroids in pre-clinical drug discovery by pharma entities.

North America will remain the largest region over the forecast period due to rising implementation of organoid based research models of organoids and spheroids in the biotechnology sector of the U.S. and Canada and presence of efficient manufacturers in the region.

Features of the Global Organoid and Spheroid Market

Market Size Estimates: Global organoid and spheroid market size estimation in terms of value (\$M) shipment.

Trend and Forecast Analysis: Market trends (2014-2019) and forecast (2020-2025) by various segments.

Segmentation Analysis: Global organoid and spheroid market size by various segments, such as type, application, and end use in terms of value.

Regional Analysis: Global organoid and spheroid market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different type, application, end use, and region for the global organoid and spheroid market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the global organoid and spheroid market.

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

This report answers following key questions

Q.1 What are some of the most promising potential, high-growth opportunities for the global organoid and spheroid market by type (organoids [product type {neural organoids, hepatic organoids, intestinal organoids, and other organoids}, method {general submerged method for organoid culture, crypt organoid culture techniques, ALI method for organoid culture, clonal organoids from Lgr5+ cells, and brain & retina organoid formation protocol}, and source {primary tissues and stem cells}] and spheroids [product type {MCTS, neurospheres, mammospheres, hepatospheres, and embryoid bodies}, method {micropatterned plates, low cell attachment plates, hanging drop method, and others}, and source {cell line, primary cell, and iPSCs derived cells}], application (developmental biology, personalized medicine, regenerative medicine, disease pathology studies, and drug toxicity & efficacy testing), end use (biotechnology & pharmaceutical industries, academic & research institutes, and hospitals & diagnostic centers), and region (North America, Europe, Asia Pacific, and 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 drivers and challenges of the global organoid and spheroid market?

Q.5 What are the business risks and threats to the global organoid and spheroid market?

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

Q.7 What are some changing demands of customers in this organoid and spheroid market?

Q.8 What are the new developments in this organoid and spheroid market? Which companies are leading these developments?

Q.9 Who are the major players in this organoid and spheroid market? What strategic initiatives are being implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in this organoid and spheroid market, and how big of a threat do they pose for loss of market share via material or product substitution?

Q.11 What M&A activities did take place in the last five years in the global organoid and spheroid market?

Report Scope

Key Features Description

Base Year for Estimation 2019

Trend Period

(Actual Estimates) 2014-2019

Forecast Period 2020-2025

Pages More than 150

Market Representation / Units Revenue in US \$ Million

Report Coverage Market Trends & Forecasts, Competitor Analysis, New Product Development, Company Expansion, Merger, Acquisitions & Joint Venture, and Company Profiling

Market Segments Type (Organoids and Spheroids), Application (Developmental Biology, Personalized Medicine, Regenerative Medicine, Disease Pathology Studies, and Drug Toxicity & Efficacy Testing), and End Use (Biotechnology & Pharmaceutical Industries, Academic & Research Institutes, and Hospitals & Diagnostic Centers)

Regional Scope North America (USA, Mexico, and Canada), Europe (United Kingdom, Germany, and France), Asia (China, India, and Japan), and ROW (Brazil)

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8.6: Corning Incorporated

8.7: Greiner Bio-One

8.8: Hubrecht Organoid Technology (HUB)

8.9: PerkinElmer

8.10: Kuraray

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