+44 20 8123 2220
info@marketpublishers.com

3D Cell Cultures: Technologies and Global Markets

https://marketpublishers.com/r/327FC9E2595EN.html
Date: February 2024
Pages: 442
Price: US$ 4,650.00 (Single User License)
ID: 327FC9E2595EN

Abstracts

Report Scope:

This report aims to provide a comprehensive study of the global 3D cell culture technologies market. It provides a detailed description of the different types of healthcare interoperability solutions and their current and historical market revenues.

The scope of the report encompasses the major types of 3D cell culture which are being used by industry, academic researchers, government labs, and independent research groups. This includes the main inputs such as cell lines, media, sera, reagents, software, and instrumentation. It analyzes the current market status, examines future market drivers and presents forecasts of growth over the next five years.

The market structure has been reorganized for this edition. Also, more research was done on base case data for different product areas. The greater emphasis is on the different products used for 3D cell culture, but the report also investigates the market in terms of types of applications, end users and geographic regions.

Report Includes:

17 data tables and 105 additional tables

An overview of the global market landscape related to the 3D cell cultures technologies

In-depth analysis of global market trends, featuring historical revenue data for 2020-2022, estimated figures for 2023, as well as forecasts for 2028. This analysis includes projections of Compound Annual Growth Rates (CAGRs) spanning through 2028

+44 20 8123 2220
info@marketpublishers.com

Evaluation of the current market size and revenue growth prospects specific to 3D cell cultures technologies, accompanied by a comprehensive market share analysis categorized by type, end user, and geographical region

Information on analytical systems used in tissue and cell culture, cellomics, and human cancer model initiative (HCMI)

Details about assay development for mesenchymal stem cells, In Vitro testing of adventitious agents and description of assays and assay kits

A look at the main classes of models for researching cancer and other diseases, benefits of 3D models to cancer research and description of 3D engineered scaffolds

Analysis of the market's dynamics, specifically growth drivers, restraints, and opportunities and discussion on the impact of COVID-19 on the world of cell culture

Insights into U.S. regulatory status of bioprinted products; basic guidance for the regulation of biologics, regenerative medicine and xenotransplants

Relevant patent analysis, including recent activity and a list of key patents

Detailed profiles of leading market participants, providing a descriptive overview of their respective businesses, including Abcam PLC, Agilent Technologies Inc., Corning Inc., Merck KGAA, Beckman Coulter, and Synvivo Inc.

+44 20 8123 2220
info@marketpublishers.com

Contents

+44 20 8123 2220
info@marketpublishers.com

CHAPTER 4 MARKET, BY TYPE

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

CHAPTER 5 ASSAYS, IMAGING AND ANALYSIS

CHAPTER 6 REGULATION AND STANDARDIZATION

+44 20 8123 2220
info@marketpublishers.com

CHAPTER 7 3D MODELS FOR CANCER

2D CULTURE

3D REQUIREMENTS

3D SYSTEMS IN CANCER RESEARCH

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

3D MODELS FOR SKIN

3D CORNEAL SYSTEM

Absorption Barrier Models
Gastrointestinal
Lung
Blood-Brain Barrier
Real Architecture for 3D Tissue Barriers and Extracellular Matrix
Liver Toxicity
Uniqueness and Complexity of Liver
Liver as a Key Driver for 3D Innovation
In Vitro Liver Applications
In Vivo Liver Function and Structure
Liver Metabolism
In Vitro Liver Models
Co-cultures of Hepatocytes and Macrophages

3D LIVER MODELS

Bioprinted Liver Tissue
Detected Hepatosphere Structures and Functionality
Ideal Criteria
Drug Resistance
Transporter Studies
Achieving Heterotypic Cell-Cell Contacts
Unmet Needs and Future Drivers of Innovation
Morphogen Signaling
Multi-donor Liver Cells
Kidney Toxicity Applications
Future Challenge: Stem-Cell Derived Kidney Cells
Bioprinted Kidney Tissue
Pancreatic Toxicology Applications
Cardiovascular Toxicity
Commercial Avenue
Collaboration with Regulators
Cardiovascular Drug Discovery
Microelectrode Arrays (MEAs) Based on Impedance
Surrogate for Aortic Ring Assay via Bioprinted Magnetics

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

3D BIOTEK LLC

4D TECHNOLOGY CORP.

ABCAM PLC
AKRON BIOTECH
AGILENT TECHNOLOGIES INC.
ALPCO
AMSBIO
BECKMAN COULTER INC.
BIOINSPIRED SOLUTIONS
BIOTIME INC.
BIOVISION INC.
CELL APPLICATIONS INC.
CELLINK
CORNING INC.
CYPROTEX
CYTIVA
CYTOO SA
EMD MILLIPORE / MERCK KGAA
EMULATE INC.
ENVISIONTEC INC.
EPITHELIX
EUROFINS SAS
GREINER BIO-ONE INTERNATIONAL GMBH
HAMILTON ROBOTICS
HUB ORGANOIDS
HUREL CORP.
INSPHERO
INVITROCUE
KIYATEC INC.
LIFENET HEALTH
LOREM VASCULAR / CYTORI THERAPEUTICS INC.
MATTEK
MIMETAS INC.
ORGANOVO HOLDINGS INC.
PERKINELMER INC.
PLASTICELL LTD.
PLURISTEM THERAPEUTICS INC.

+44 20 8123 2220
info@marketpublishers.com

POIETIS
PROMEGA CORP.
SEAHORSE BIOSCIENCE
STEMCELL TECHNOLOGIES
STRATATECH CORP.
SYNVIVO INC.
TAP BIOSYSTEMS
TECAN TRADING AG
ZEN-BIO INC.

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+44 20 8123 2220
info@marketpublishers.com

Table 33 : Projected Unit Sales of Research Bioreactors,

+44 20 8123 2220
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: 3D Cell Cultures: Technologies and Global Markets

Product link: https://marketpublishers.com/r/327FC9E2595EN.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/327FC9E2595EN.html