Organ-on-Chip Global Market 2010-2020

Description: An organ-on-chip (OOCs) are microfluidic 3D cell culture devices that closely mimic the key physiological functions of body organs. These chips are usually transparent, flexible and about the size of a computer memory stick. An OOC is also referred to as a biomimetic microsystem or 3D microphysiologic platform.

OOCs are one of the most exciting multidisciplinary areas of scientific research. They have the distinguishing characteristic of emulating the human micro environment in vitro, which is not possible by any other conventional in-vitro techniques. This unique feature of an OOC is the result of integrating biology with technology.

Scientific advances in cell biology, microfabrication and microfluidics have led to the development of OOCs. They are tiny chip-like structures with specific embedded cells. The combination of chip and cells in the presence of suitable conditions mimic the key functions of an organ in miniature formats outside the body.

Scope: of the Report - This report covers OOCs manufactured by university spinoffs. It includes both the organ models which are designed on typical chip-like structures and the organ models which are designed on microfluidic micrometric plates.

Sections - The report contains nine sections: Introduction, product analysis, market characteristics and trends, market size, market drivers and restraints, funding landscape, competitor landscape, business model, customer analysis.

1. Introduction - This section gives a general overview of OOCs which signifies their importance especially in the pharmaceutical industry.

2. Product Analysis - This section gives an overview on the basic structure of an OOC and information on various techniques used for manufacturing these chips. Details about various organ specific models are also provided.

3. Market Characteristics and Trends - This section covers the OOC market Description: at an overall level and trends that are shaping this industry.

4. Market Drivers and Restraints - In this section analysis of the major factors that are driving the revenues of OOC and key limitations suppressing its market growth is discussed.

5. Market Size Analysis - In this section we examine the global market size for OOC, both historic and forecast, followed by a regional split. Detailed information on the market size of OOC in the USA is provided, along with organ-level and end-user segmentation.

6. Funding Landscape - This section covers information on the funds granted by government institutes or other organizations to either universities or companies for research and development of OOC devices.

7. Competitive Landscape: This section considers key competitors in the OOC market along with the level of competition amongst them. Company profiles of key competitors and potential future players are provided, followed by information on average pricing of OOCs.

8. Business Model: This section describes the business model of a typical OOC company.

9. Customer Analysis: This section outlines the view of OOCs taken by current and potential end users, especially within the pharmaceutical industry. This is followed by information on current unmet needs in the OOC market.

Contents: Global Organ-on-Chip Market
List of Figures
List of Tables
Executive Summary
Preface
Global Organ-on-Chip Market - Introduction
Global Organ-on-Chip Market - Product Analysis
Technical Description
Typical Organ-on-Chip Structure
Product Design Materials
Product Designing Methodologies
Overview Of Organ Specific Models
Lung-on-Chip
Heart-on-chip
Liver-on-chip
Intestine-on-chip
Kidney-on-chip
Human-on-Chip
Global Organ-on-Chip Market - Market Characteristics And Trends
Organ-on-Chip Characteristics
Organ-on-Chip Origin
Organ-on-Chip Features
Organ-on-Chip Significance
Organ-on-Chip Applications
Organ-on-Chip Commercialization
Organ-on-Chip Market Penetration
Five Force Analysis
Trends
Manufacturers Tie Up With End-users To Design Tailor-made Products
Investment In Integration Of Individual Organ-on-Chips Into Human-on-Chip
Strong Focus On Development of Custom Organ-on-Chips
Manufacturers Work On Disease Models To Expedite Drug Testing
Global Organ-on-Chip Market - Market Size Analysis
Global Market For Organ-on-Chips
Global Market For Organ-on-Chips (Historic 2010-2015)
Global Market For Organ-on-Chips (Forecast 2015-2020)
Global Organ-on-Chip Market Segmentation By Organ Type
Global Organ-on-Chip Market Segmentation By Geography
North America
Europe
Rest of World (ROW)
Global Organ-on-Chip Market - Market Drivers And Restraints
Drivers
Government Funding Drives The Market For Organ-on-Chips
Improved Drug Screening With Organ-on-Chips Will Drive Its Demand
Decrease In Drug Testing Costs Using Organ-on-Chips Will Drive Its Demand
Restraints
Complex Manufacturing Techniques Are A Restraint On Organ-on-Chip Market Growth
Requirement For Specialized Equipment Will Be A Challenge For The Organ-on-Chip Market
Regulatory Hurdles For Drug Approvals
Global Organ-on-Chip Market - Funding Landscape
Funding Landscape - USA
Funding Landscape - Europe
Funding Landscape - ROW
Global Organ-on-Chip Market - Competitive Landscape
Key Competitor Analysis
Key Players in The OOC Market
CN Bio Innovations
Emulate
TissUse
Mimetas
MuREL
Nortis
Insphero
Tara Biosystems
AxoSim Technologies LLC
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit
http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

- **Product Name:** Organ-on-Chip Global Market 2010-2020
- **Web Address:** [http://www.researchandmarkets.com/reports/3743700/](http://www.researchandmarkets.com/reports/3743700/)
- **Office Code:** SC

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Format</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard Copy - Single User</td>
<td></td>
<td>USD 4000 + USD 57 Shipping/Handling</td>
</tr>
<tr>
<td>CD-ROM - Single User</td>
<td></td>
<td>USD 4000 + USD 57 Shipping/Handling</td>
</tr>
<tr>
<td>Electronic (PDF) - Single User</td>
<td></td>
<td>USD 4000</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License</td>
<td></td>
<td>USD 6000</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide</td>
<td></td>
<td>USD 8000</td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.
* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in **BLOCK CAPITALS**

- **Title:** Mr [ ]  Mrs [ ]  Dr [ ]  Miss [ ]  Ms [ ]  Prof [ ]
- **First Name:** __________________________  **Last Name:** __________________________
- **Email Address:** * __________________________
- **Job Title:** __________________________
- **Organisation:** __________________________
- **Address:** __________________________
- **City:** __________________________
- **Postal / Zip Code:** __________________________
- **Country:** __________________________
- **Phone Number:** __________________________
- **Fax Number:** __________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: _______________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World