

Global Organ-on-Chips Market By Type (liver, heart, lungs and others); By Application (drug discovery, toxicology research and other applications); By end-user (Pharmaceutical and biotechnology companies, academic and research institutes and others) and Region –Analysis of Market Size, Share and Trends for 2014 – 2019 and Forecasts to 2030.

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Abstracts

Product overview

Organ-on-chips is a glass slide coated with human cells configured to imitate a tissue such as a lung or heart. It is also called a multi-channel 3D microfluid cell culture chip which develops a narrow channel for blood and airflow in organs. It is an artificial organ that replicates activities, mechanics, and physiological responses of the organ system. It is the size of a AA battery that allows seeing the functionality of organs, their behavior and response at the molecular and cellular level.

Market highlights

Global Organ-on-a-Chip Market grew at USD XXX million in 2019 and is expected to grow at a CAGR of XX% in the forecasted period. An increase in animal testing, research funding, capital investments, new product launches, and a rise in technological investments is likely to increase the growth of the market.

Source: Fatpos Global

Global Organ-on-Chips Market: Segments

Global Organ-on-Chips Market By Type (liver, heart, lungs and others); By Application (drug discovery, toxicol...

Global Organ-on-a-Chip Market can be segmented on the basis of type, application, end-user, and regions.

By organ type, it can be categorized into the liver, heart, lungs, and others. The liver segment shows significant growth due to the increased liver-related diseases along with the ability of on-chip hepatic tissues to maintain metabolism.

By application, it can be segmented into drug discovery, toxicology research, and other applications. Technological advancements and an increase in drug toxicity demand are reasons for the growth of the drug segment.

Global Organ-on-a-Chip Market by end-user is divided into Pharmaceutical and biotechnology companies, academic and research institutes, and others. Increasing research investment in the pharmaceutical sector across is likely to dominate the growth in the sector

The region segment can be further divided into five major types including North America, Latin America, Europe, APAC, and MENA.

Global Organ-on-Chips Market: Drivers and Restraints

High usage is expected to increase the market size

The growing usage of the organ-on-chips market for animal testing and in the healthcare sector and a rising number of alliances between the pharmaceutical firms and chips manufacturers are expected to increase market growth. Additionally, technological advancements and an increase in drug toxicity demand is also a driver in the market.

Technical issues and high costs will restrain the market growth

There are a lot of technical problems linked with organ-on-chips technology which acts as a restraint in the market along with the high cost as well as complexities in the organ-on-chip model. Restrictions in polydimethylsiloxane which is the most commonly used material for fabrications of the organ-on-chips market also acts as a hindrance in the growth of the market.

Global Organ-on-Chips Market: Regions

Global Organ-on-Chips Market By Type (liver, heart, lungs and others); By Application (drug discovery, toxicol...

The region segment can be further divided into five major types including North America, Latin America, Europe, APAC, and MENA.

North America holds the largest share in the organ-on-chips market due to the increased support of the government in drug discovery research activities as well as the presence of world-class research institutes and pharmaceutical and biotechnology industries in the region. Though, the APAC region is expected to become the fastest-growing region due to the increase in disposable income of the people and increased government funding for medicines in research institutes as well as the growing investments in research and development.

Source: Fatpos Global

Global Organ-on-a-Chip Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

APAC Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

MENA Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Global Organ-on-Chips Market: Key players

Nortis

Business Strategy

Key Product offerings

Financial performance

Key Performance Indicators

Risk Analysis
Recent Development
Regional Presence
SWOT Analysis
Organovo Holdings, Inc.
Hurel Corporation
Insphero AG
MIMETAS BV
Mimetas
Emulate
InSphero
Ascendance Bio
AxoSim

Global Organ-on-a-Chip Market report also contains analysis on:

Global Organ-on-Chips Market segments:-

By type :

Liver
Lungs
Heart
others

By application :

drug discovery
toxicology research
other applications

By end-user :

Pharmaceutical and biotechnology companies
academic and research institutes
others

Global Organ-on-Chips Market dynamics
Global Organ-on-Chips Market size
Supply & Demand
Current Trends/Issues/Challenges
Competition & Companies Involved in the Market
Value Chain of the Market
Market Drivers and Restraints
FAQs on Global Organ-on-Chips Market

Which segment is anticipated to hold the largest market share?

At what CAGR is the market anticipated to grow between 2020 and 2030?

Who are the key players in Global Organ-on-Chips Market?

What could be the challenging factors for the growth of Global Organ-on-Chips Market?

What are the growth drivers for Global Organ-on-Chips Market?

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Consultant Recommendation

**The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

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