

Global Organ Chips Market Growth 2023-2029

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Abstracts

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Organ Chip is a multi-channel 3-D microfluidic cell culture chip that simulates the activities, mechanics and physiological response of entire organs and Organ systems, a type of artificial organ. It constitutes the subject matter of significant biomedical engineering research, more precisely in bio-MEMS. The convergence of labs-on-chips (LOCs) and cell biology has permitted the study of human physiology in an organ-specific context, introducing a novel model of in vitro multicellular human organisms. One day, they will perhaps abolish the need for animals in drug development and toxin testing. Organ-On-Chip technology not only incorporates multiple cell types but also involves engineering aspects, such as the guided spatial confinement of cells or the incorporation of sensors and microfluidic channels.

LPI (LP Information)' newest research report, the "Organ Chips Industry Forecast" looks at past sales and reviews total world Organ Chips sales in 2022, providing a comprehensive analysis by region and market sector of projected Organ Chips sales for 2023 through 2029. With Organ Chips sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Organ Chips industry.

This Insight Report provides a comprehensive analysis of the global Organ Chips landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Organ Chips portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Organ Chips market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Organ Chips and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Organ Chips.

The global Organ Chips market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for Organ Chips is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for Organ Chips is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for Organ Chips is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Organ Chips players cover Emulate, TissUse, Hesperos, CN Bio Innovations, Tara Biosystems, Draper Laboratory, Mimetas, Nortis and Micronit Microtechnologies B.V., etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

This report presents a comprehensive overview, market shares, and growth opportunities of Organ Chips market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

Brain-on-a-chip

Liver-on-a-chip

Kidney-on-a-chip

Lung-on-a-chip

Heart-on-a-chip

Intestine-on-a-chip

Vessel-on-a-chip

Others

Segmentation by application

Pharmaceutical & Biotechnology Companies

Academic & Research Institutes

Cosmetics Industry

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Emulate

TissUse

Hesperos

CN Bio Innovations

Tara Biosystems

Draper Laboratory

Mimetas

Nortis

Micronit Microtechnologies B.V.

Kirkstall

Cherry Biotech SAS

Else Kooi Laboratory

Key Questions Addressed in this Report

What is the 10-year outlook for the global Organ Chips market?

What factors are driving Organ Chips market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Organ Chips market opportunities vary by end market size?

How does Organ Chips break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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