

# Global Microchips 3D Cell Culture Market Growth 2023-2029

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#### **Abstracts**

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An organ-on-a-chip (OOC) is a multi-channel 3-D microfluidic cell culture, integrated circuit (chip) that simulates the activities, mechanics and physiological response of an entire organ or an organ system, 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.

LPI (LP Information)' newest research report, the "Microchips 3D Cell Culture Industry Forecast" looks at past sales and reviews total world Microchips 3D Cell Culture sales in 2022, providing a comprehensive analysis by region and market sector of projected Microchips 3D Cell Culture sales for 2023 through 2029. With Microchips 3D Cell Culture sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Microchips 3D Cell Culture industry.

This Insight Report provides a comprehensive analysis of the global Microchips 3D Cell Culture 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 Microchips 3D Cell Culture portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Microchips 3D Cell Culture market.



This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Microchips 3D Cell Culture 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 Microchips 3D Cell Culture.

The global Microchips 3D Cell Culture 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 Microchips 3D Cell Culture 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 Microchips 3D Cell Culture 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 Microchips 3D Cell Culture is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Microchips 3D Cell Culture 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 Microchips 3D Cell Culture market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

Liver-on-a-Chip

Kidney-on-a-Chip

Lung-on-a-Chip



#### Others

Others		
Segmentation by application		
Efficac	y and Toxicology Testing	
Organ	Model	
This report als	o splits the market by region:	
Americ	as	
	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	
	mpanies that are profiled have been selected based on inputs gathered experts and analyzing the company's coverage, product portfolio, its ration.	
Emulate		
TissUse		
Hesperos		
CN Bi	CN Bio Innovations	
Tara E	Tara Biosystems	
Drape	Draper Laboratory	
Mimet	Mimetas	



Nortis		
Micronit Microtechnologies B.V.		
Kirkstall		
Cherry Biotech SAS		
Key Questions Addressed in this Report		
What is the 10-year outlook for the global Microchips 3D Cell Culture market?		
What factors are driving Microchips 3D Cell Culture market growth, globally and b region?		
Which technologies are poised for the fastest growth by market and region?		
How do Microchips 3D Cell Culture market opportunities vary by end market size?		
How does Microchips 3D Cell Culture break out type, application?		
What are the influences of COVID-19 and Russia-Ukraine war?		



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