

Cryogenic Freezers Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global cryogenic freezers market size reached US\$ 196.0 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 276.4 Million by 2028, exhibiting a growth rate (CAGR) of 6.1% during 2023-2028.

Cryogenic freezers are primarily used for the process of cryopreservation in which products like biological cells, tissues, food items, pharmaceuticals, etc. are preserved by cooling at sub-zero temperatures. These freezers are majorly used to store DNA, blood products, stem cells, extracellular matrix, organs and organelles, umbilical cord blood and embryos. Gases such as helium and nitrogen are most commonly used in their liquified state to achieve extremely low temperatures for preservation in these freezers. The freezers halt the process of deterioration and provide maximum viability of samples at a temperature of around -150°C. At such low temperatures, the molecular functions and metabolic activities of water molecules stop, thus suspending the cells. These freezers also improve cell viability and offer various convenient functionalities such as display, touchpad and options for manual defrost.

The increasing need for advanced cryopreservation in both emerging and developed economies is the key factor driving the growth of the market. Advancements in the medical and healthcare industry have elevated the demand for cryogenic freezers. Furthermore, the equipment plays a vital role in the storage and activation of receptor cells, which have immense applicability in the pharmaceutical industry. In addition to this, the growing food and beverage industry is another key factor contributing to the market growth. Cryogenic freezers find extensive application in the industry as they are

used to ensure food safety and prevent contamination through pathogens and other microbes. Tunnel freezers are experiencing an increase in demand from the food processing industry owing to their various properties such as increased hygiene, compact size and rapid freezing qualities.

IMARC Group's latest report provides a deep insight into the global cryogenic freezers market covering all its essential aspects. This ranges from macro overview of the market to micro details of the industry performance, recent trends, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc. This report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the cryogenic freezers market in any manner.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global cryogenic freezers market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on product type, application and end use industry.

Breakup by Product Type:

- Tunnel Freezer
- IQF Freezer
- Immersion Freezer
- Spiral Freezer
- Others

Breakup by Application:

- Corporate Laboratories
- Hospitals and Blood Centers
- Universities and Research Institutions
- Others

Breakup by End Use Industry:

Food and Beverages
Medical and Healthcare
Pharmaceuticals
Chemicals
Others

Breakup by Region:

North America
Europe
Asia Pacific
Middle East and Africa
Latin America

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Thermo Fisher Scientific Inc., Panasonic Corporation, Chart Industries, Inc., Haier Group, DAIHAN Scientific, Froilabo, Arctiko, Taylor-Wharton, VRV Group, Aucma Co., Ltd., and Zhongke Meiling Cryogenics Company Limited.

Key Questions Answered in This Report:

How has the global cryogenic freezers market performed so far and how will it perform in the coming years?

What are the key regional markets in the global cryogenic freezers industry?

What has been the impact of COVID-19 on the global cryogenic freezers industry?

What is the breakup of the market based on the product type?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end use industry?

What are the various stages in the value chain of the global cryogenic freezers industry?

What are the key driving factors and challenges in the global cryogenic freezers industry?

What is the structure of the global cryogenic freezers industry and who are the key players?

What is the degree of competition in the global cryogenic freezers industry?

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