

# Global Laboratory Dilution Refrigerator Supply, Demand and Key Producers, 2023-2029

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# **Abstracts**

The dilution refrigerator is a high-end scientific research instrument that can provide an environment close to absolute zero. It is widely used in scientific research fields such as condensed matter physics, material science, particle physics and even astronomical detection. The dilution refrigerator was proposed in 1951 by H.London. The theory of refrigeration by superfluid 4He dilution 3He method. By 1965, P. Das et al. made a 3He-4He dilution refrigerator based on this theory, which has reached a low temperature of 1.8mK. It can maintain the temperature in the milliK range for a long time, has a large cooling capacity, and has become the most important means and equipment to obtain the milliK temperature.

This report studies the global Laboratory Dilution Refrigerator production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Laboratory Dilution Refrigerator, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Laboratory Dilution Refrigerator that contribute to its increasing demand across many markets.

The global Laboratory Dilution Refrigerator market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Highlights and key features of the study

Global Laboratory Dilution Refrigerator total production and demand, 2018-2029, (Unit)



Global Laboratory Dilution Refrigerator total production value, 2018-2029, (USD Million)

Global Laboratory Dilution Refrigerator production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Unit)

Global Laboratory Dilution Refrigerator consumption by region & country, CAGR, 2018-2029 & (Unit)

U.S. VS China: Laboratory Dilution Refrigerator domestic production, consumption, key domestic manufacturers and share

Global Laboratory Dilution Refrigerator production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Unit)

Global Laboratory Dilution Refrigerator production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Unit)

Global Laboratory Dilution Refrigerator production by Application production, value, CAGR, 2018-2029, (USD Million) & (Unit)

This reports profiles key players in the global Laboratory Dilution Refrigerator market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Bluefors Oy, Oxford Instruments NanoScience, Leiden Cryogenics BV, JanisULT, Cryomagnetics, Taiyo Nippon Sanso and Ulvac Cryogenics, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Laboratory Dilution Refrigerator market

#### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Unit) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by



year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Laboratory Dilution Refrigerator Market, By Region:	
United States	
China	
Europe	
Japan	
South Korea	
ASEAN	
India	
Rest of World	
Global Laboratory Dilution Refrigerator Market, Segmentation by Type	
Below 10mK	
Between 10-20mK	
Above 20mK	
Clobal Laboratory Dilution Pofrigorator Market Segmentation by Application	n .
Global Laboratory Dilution Refrigerator Market, Segmentation by Application	71.1
Condensed Matter Physics	
Material Science	
Particle Physics	



**Astronomical Detection** 

Others
Companies Profiled:
Bluefors Oy
Oxford Instruments NanoScience
Leiden Cryogenics BV
JanisULT
Cryomagnetics
Taiyo Nippon Sanso
Ulvac Cryogenics
Key Questions Answered
1. How big is the global Laboratory Dilution Refrigerator market?
2. What is the demand of the global Laboratory Dilution Refrigerator market?
3. What is the year over year growth of the global Laboratory Dilution Refrigerator market?
4. What is the production and production value of the global Laboratory Dilution Refrigerator market?
5. Who are the key producers in the global Laboratory Dilution Refrigerator market?

6. What are the growth factors driving the market demand?



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