

Medical Thawing System Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/MB2F68B04ED3EN.html>

Date: January 2023

Pages: 143

Price: US\$ 2,499.00 (Single User License)

ID: MB2F68B04ED3EN

Abstracts

The global medical thawing system market size reached US\$ 191.0 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 301.5 Million by 2028, exhibiting a growth rate (CAGR) of 7.6% during 2023-2028.

Medical thawing system defrosts biological samples for biology research, safe storage and transportation of biopharma products. It uses microprocessors to regulate temperature and perform cryopreserved ovum, semen, and embryo samples appropriately. At present, the increasing utilization of frozen plasma and blood products is catalyzing the demand for automated medical thawing systems worldwide. These systems assist in rapidly thawing live biological content to retain reproducibility and reduce the risk of contamination.

Medical Thawing System Market Trends:

A considerable rise in the number of individuals suffering from chronic diseases and viral and bacterial infections represents one of the major factors driving the demand for blood transfusion and medical thawing systems. This can also be accredited to the growing participation of people in blood donation campaigns across the globe. In line with this, the widespread adoption of organ transplantation and increasing organ donors are propelling the market growth. Apart from this, the increasing geriatric population that undergoes surgical procedures is contributing to the need for tissue transplantation. This, in turn, is increasing the adoption of medical thawing systems to harvest and store skins, cornea, tendons, bone joints, Dura mater, and cartilage in tissue banks. Additionally, the coronavirus disease (COVID-19) outbreak has fueled the need for tissue banks to collect tissue specimens, understand cellular responses and the biological impact of infection, and identify new therapeutic interventions and prevention

strategies. Besides this, the rising adoption of regenerative medicine and personalized treatment is propelling the use of medical thawing systems in biobanking worldwide. Furthermore, increasing investments in research and development (R&D) projects to find effective solutions that treat rare diseases are anticipated to bolster the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global medical thawing system market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product type, sample type and end user.

Breakup by Product Type:

- Manual
- Automated

Breakup by Sample Type:

- Blood
- Plasma
- Stem Cells
- Whole Blood
- Platelets
- Embryo
- Ovum
- Semen

Breakup by End User:

- Blood Banks
- Hospitals
- Tissue Banks
- Pharmaceutical and Biotech Companies
- Others

Breakup by Region:

- North America

United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Barkey GmbH & Co. KG, Biolife Solutions Inc., Boekel Scientific, Cardinal Health Inc., General Electric Company, Helmer Scientific Inc., Hospicare Systems, labcold Limited, MMS Medical and Laboratory Supplies, Sarstedt AG & Co. KG, Sartorius AG, Terumo Penpol Private Limited (Terumo Corporation) and Thermo Fisher Scientific Inc.

Key Questions Answered in This Report

1. What was the size of the global medical thawing system market in 2022?
2. What is the expected growth rate of the global medical thawing system market during 2023-2028?
3. What are the key factors driving the global medical thawing system market?
4. What has been the impact of COVID-19 on the global medical thawing system market?

5. What is the breakup of the global medical thawing system market based on the product type?
6. What is the breakup of the global medical thawing system market based on the sample type?
7. What is the breakup of the global medical thawing system market based on the end user?
8. What are the key regions in the global medical thawing system market?
9. Who are the key players/companies in the global medical thawing system market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL MEDICAL THAWING SYSTEM MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT TYPE

- 6.1 Manual
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Automated
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY SAMPLE TYPE

7.1 Blood

7.1.1 Market Trends

7.1.2 Key Segments

7.1.2.1 Plasma

7.1.2.2 Stem Cells

7.1.2.3 Whole Blood

7.1.2.4 Platelets

7.1.3 Market Forecast

7.2 Embryo

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Ovum

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Semen

7.4.1 Market Trends

7.4.2 Market Forecast

8 MARKET BREAKUP BY END USER

8.1 Blood Banks

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Hospitals

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Tissue Banks

8.3.1 Market Trends

8.3.2 Market Forecast

8.4 Pharmaceutical and Biotech Companies

8.4.1 Market Trends

8.4.2 Market Forecast

8.5 Others

8.5.1 Market Trends

8.5.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America

9.1.1 United States

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

9.1.2 Canada

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

9.2 Asia-Pacific

9.2.1 China

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

9.2.2 Japan

9.2.2.1 Market Trends

9.2.2.2 Market Forecast

9.2.3 India

9.2.3.1 Market Trends

9.2.3.2 Market Forecast

9.2.4 South Korea

9.2.4.1 Market Trends

9.2.4.2 Market Forecast

9.2.5 Australia

9.2.5.1 Market Trends

9.2.5.2 Market Forecast

9.2.6 Indonesia

9.2.6.1 Market Trends

9.2.6.2 Market Forecast

9.2.7 Others

9.2.7.1 Market Trends

9.2.7.2 Market Forecast

9.3 Europe

9.3.1 Germany

9.3.1.1 Market Trends

9.3.1.2 Market Forecast

9.3.2 France

9.3.2.1 Market Trends

9.3.2.2 Market Forecast

9.3.3 United Kingdom

9.3.3.1 Market Trends

9.3.3.2 Market Forecast

9.3.4 Italy

9.3.4.1 Market Trends

9.3.4.2 Market Forecast

9.3.5 Spain

9.3.5.1 Market Trends

9.3.5.2 Market Forecast

9.3.6 Russia

9.3.6.1 Market Trends

9.3.6.2 Market Forecast

9.3.7 Others

9.3.7.1 Market Trends

9.3.7.2 Market Forecast

9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

10 SWOT ANALYSIS

10.1 Overview

10.2 Strengths

10.3 Weaknesses

10.4 Opportunities

10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 Barkey GmbH & Co. KG
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.2 Biolife Solutions Inc.
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.3 Boekel Scientific
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.4 Cardinal Health Inc.
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.4.3 Financials
 - 14.3.4.4 SWOT Analysis
 - 14.3.5 General Electric Company
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.5.3 Financials
 - 14.3.5.4 SWOT Analysis
 - 14.3.6 Helmer Scientific Inc.
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.7 Hospicare Systems

- 14.3.7.1 Company Overview
- 14.3.7.2 Product Portfolio
- 14.3.8 labcold Limited
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
- 14.3.9 MMS Medical and Laboratory Supplies
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
- 14.3.10 Sarstedt AG & Co. KG
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
- 14.3.11 Sartorius AG
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
 - 14.3.11.4 SWOT Analysis
- 14.3.12 Terumo Penpol Private Limited (Terumo Corporation)
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio
- 14.3.13 Thermo Fisher Scientific Inc.
 - 14.3.13.1 Company Overview
 - 14.3.13.2 Product Portfolio
 - 14.3.13.3 Financials
 - 14.3.13.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Medical Thawing System Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Medical Thawing System Market Forecast: Breakup by Product Type (in Million US\$), 2023-2028

Table 3: Global: Medical Thawing System Market Forecast: Breakup by Sample Type (in Million US\$), 2023-2028

Table 4: Global: Medical Thawing System Market Forecast: Breakup by End User (in Million US\$), 2023-2028

Table 5: Global: Medical Thawing System Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Medical Thawing System Market: Competitive Structure

Table 7: Global: Medical Thawing System Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Medical Thawing System Market: Major Drivers and Challenges

Figure 2: Global: Medical Thawing System Market: Sales Value (in Million US\$), 2017-2022

Figure 3: Global: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 4: Global: Medical Thawing System Market: Breakup by Product Type (in %), 2022

Figure 5: Global: Medical Thawing System Market: Breakup by Sample Type (in %), 2022

Figure 6: Global: Medical Thawing System Market: Breakup by End User (in %), 2022

Figure 7: Global: Medical Thawing System Market: Breakup by Region (in %), 2022

Figure 8: Global: Medical Thawing System (Manual) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 9: Global: Medical Thawing System (Manual) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 10: Global: Medical Thawing System (Automated) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Medical Thawing System (Automated) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Medical Thawing System (Blood) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Medical Thawing System (Blood) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Medical Thawing System (Embryo) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Medical Thawing System (Embryo) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Medical Thawing System (Ovum) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Medical Thawing System (Ovum) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Medical Thawing System (Semen) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Medical Thawing System (Semen) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Medical Thawing System (Blood Banks) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Medical Thawing System (Blood Banks) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 22: Global: Medical Thawing System (Hospitals) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Medical Thawing System (Hospitals) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Medical Thawing System (Tissue Banks) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Medical Thawing System (Tissue Banks) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Medical Thawing System (Pharmaceutical and Biotech Companies) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: Medical Thawing System (Pharmaceutical and Biotech Companies) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Global: Medical Thawing System (Other End User) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Global: Medical Thawing System (Other End User) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: North America: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: North America: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: United States: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: United States: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Canada: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: Canada: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: Asia-Pacific: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: Asia-Pacific: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: China: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: China: Medical Thawing System Market Forecast: Sales Value (in Million

US\$), 2023-2028

Figure 40: Japan: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: Japan: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: India: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: India: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: South Korea: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: South Korea: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Australia: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Australia: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Indonesia: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Indonesia: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Others: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Others: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: Europe: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: Europe: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: Germany: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: Germany: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: France: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: France: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: United Kingdom: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: United Kingdom: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Italy: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Italy: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Spain: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Spain: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Russia: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Russia: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Others: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Others: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Latin America: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Latin America: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Brazil: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Brazil: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Mexico: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Mexico: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Others: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: Others: Medical Thawing System Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Middle East and Africa: Medical Thawing System Market: Sales Value (in Million US\$), 2017 & 2022

Figure 77: Middle East and Africa: Medical Thawing System Market: Breakup by Country (in %), 2022

Figure 78: Middle East and Africa: Medical Thawing System Market Forecast: Sales

Value (in Million US\$), 2023-2028

Figure 79: Global: Medical Thawing System Industry: SWOT Analysis

Figure 80: Global: Medical Thawing System Industry: Value Chain Analysis

Figure 81: Global: Medical Thawing System Industry: Porter's Five Forces Analysis

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