

# **Cell Cryopreservation Market Size, Share & Trends Analysis Report By Product (Cell Freezing Media, Equipment, Consumables), By Application (Stem Cells, Bioproduction Cell Lines, Primary Cells), By End-use (Biobanks, IVF Clinics), By Region, And Segment Forecasts, 2025 - 2033**

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## **Abstracts**

### Cell Cryopreservation Market Summary

The global cell cryopreservation market size was estimated at USD 3.38 billion in 2024 and is projected to reach USD 8.86 billion by 2033, growing at a CAGR of 11.40% from 2025 to 2033. The market growth is due to the increasing adoption of cell cryopreservation as an alternative to conventional freezing techniques.

Moreover, rising demand for effective freezing media across various end users and a wide range of new products is anticipated to fuel the market growth.

### Fertility preservation

Fertility preservation is emerging as a significant market driver for the cell cryopreservation industry, owing to the growing adoption of assisted reproductive technologies (ART) and the rising prevalence of infertility cases. Moreover, many individuals delay parenthood due to career priorities, lifestyle choices, and late marriages, further accelerating the need for cryopreservation solutions. The trend is supported by advancements in cryoprotectants, vitrification techniques, and cell freezing media, ensuring higher post-thaw survival rates of oocytes, sperm, and embryos.

## Global Cell Cryopreservation Market Report Segmentation

This report forecasts revenue growth and provides an analysis on the latest trends in each of the sub-segments from 2021 to 2033. For the purpose of this report, Grand View Research has segmented the global cell cryopreservation market on the basis of product, application, end-use, and region:

### Product Outlook (Revenue, USD Million, 2021 - 2033)

#### Cell Freezing Media

Ethylene Glycol

Dimethyl Sulfoxide

Glycerol

Others

#### Equipment

Freezers

Incubators

Liquid Nitrogen Supply Tanks

#### Consumables

Cryogenic vials

Cryogenic tubes

Cooler boxes/containers

Others

### Application Outlook (Revenue, USD Million, 2021 - 2033)

Stem Cells

Reproductive Cells

Bioproduction Cell Lines

Primary Cells

Others

End-use Channel Outlook (Revenue, USD Million, 2021 - 2033)

Biopharmaceutical & Pharmaceutical Companies

Academic and Research Institutes

Biobanks

IVF Clinics

Others

Regional Outlook (Revenue, USD Million, 2021 - 2033)

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Italy

Spain

Denmark

Sweden

Norway

#### Asia Pacific

China

Japan

India

South Korea

Australia

Thailand

#### Latin America

Brazil

Argentina

#### Middle East & Africa

South Africa

Saudi Arabia

UAE

## Kuwait

**This report can be delivered to the clients within 2 Business Days**

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Fig. 102 Rest of MEA key country dynamics

Fig. 103 Rest of MEA Cell cryopreservation market estimates and forecast, 2021 - 2033 (USD Million)

Fig. 104 Market participant categorization

Fig. 105 Strategy framework

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