

# Global Oocyte/Embryo Vitrification Device Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Oocyte/Embryo Vitrification Device market size was valued at US\$ 90.55 million in 2025 and is forecast to a readjusted size of US\$ 146 million by 2032 with a CAGR of 7.1% during review period.

Oocyte/embryo vitrification device is a specialized ART consumable used to load, transfer and preserve oocytes or embryos under ultra-rapid cooling conditions, typically in combination with vitrification media for cryogenic storage.

In 2025, global production of Oocyte/Embryo Vitrification Devices reached 6.8 million units, with an average selling price of US\$13 per unit and total production capacity of approximately 9.0 million units. The industry gross margin was about 35%?55%. In terms of cost structure, direct materials accounted for around 58%, manufacturing overhead for around 32%, and labor for around 10%. The upstream supply chain includes medical-grade polymer materials, micro-carriers/films, capillaries, carrier rod handles, and related components; downstream users include assisted reproductive centers, IVF laboratories, hospital reproductive medicine centers, oocyte banks, embryo banks, fertility preservation institutions, egg/embryo donation programs, and third-party assisted reproductive service providers.

The global market for oocyte and embryo vitrification devices expands steadily alongside rising assisted reproduction cycles. Health authority data from many countries show that delayed childbearing and increasing infertility are pushing demand for IVF treatment, directly driving consumption of specialized carriers. As vitrification has fully replaced slow freezing due to superior survival rates, carriers must deliver ultra-fast

heat transfer, secure ultra-small cryoprotectant volumes, and guarantee sterility. According to annual reports and product registrations of leading manufacturers, innovation concentrates on fully closed systems that eliminate cross-contamination risk from direct liquid nitrogen contact, simplify handling to shorten embryo exposure, and improve compatibility with automated vitrification workflows. Regulatory clearances like CE marking and FDA approval strongly shape buying patterns, as closed carriers are preferred by large fertility clinics to meet infection control and quality standards. Asia-based production bases form the core of global supply through scale and cost advantages, while North America and Europe remain high-value consumption markets. With public insurance coverage for fertility treatments expanding in some regions, centralized procurement by public hospitals imposes greater cost pressures, yet does not weaken the emphasis on safety and traceability. Differentiation revolves around biocompatible materials, unique barcode traceability, and integrated cold chain logistics. Public disclosures indicate that suppliers holding full certifications and cold chain capabilities are consolidating channel strength, concentrating market resources toward leading players and steadily raising barriers for smaller firms lacking credentials and brand trust.

This report is a detailed and comprehensive analysis for global Oocyte/Embryo Vitrification Device market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Oocyte/Embryo Vitrification Device market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Oocyte/Embryo Vitrification Device market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Oocyte/Embryo Vitrification Device market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Oocyte/Embryo Vitrification Device market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Oocyte/Embryo Vitrification Device

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Oocyte/Embryo Vitrification Device market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Kitazato Corporation, Vitrolife, CooperSurgical, Reprolife, Biotech, Cryo Bio System, VITROMED, VitaVitro Biotech, Shanghai Horizon Medical, Guangzhou Zooming Instrument, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

Oocyte/Embryo Vitrification Device market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Open System

Closed System

## Market segment by Structure

Film/Strip

Straw

Loop

## Market segment by Application

Hospital

Biotechnology Company

Research Laboratory

## Major players covered

Kitazato Corporation

Vitrolife

CooperSurgical

Reprolife

Biotech

Cryo Bio System

VITROMED

VitaVitro Biotech

Shanghai Horizon Medical

Guangzhou Zooming Instrument

Basecare Medical

Guangzhou Huayuexing Medical Technology

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Oocyte/Embryo Vitrification Device product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Oocyte/Embryo Vitrification Device, with price, sales quantity, revenue, and global market share of Oocyte/Embryo Vitrification Device from 2021 to 2026.

Chapter 3, the Oocyte/Embryo Vitrification Device competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Oocyte/Embryo Vitrification Device breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Oocyte/Embryo Vitrification Device market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Oocyte/Embryo Vitrification Device.

Chapter 14 and 15, to describe Oocyte/Embryo Vitrification Device sales channel, distributors, customers, research findings and conclusion.

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