

# Global Artificial Oxygen Carriers Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Artificial Oxygen Carriers market size was valued at US\$ 7.91 million in 2025 and is forecast to a readjusted size of US\$ 24.86 million by 2032 with a CAGR of 18.2% during review period.

Artificial Oxygen Carriers are engineered medical formulations designed to bind, transport, and release oxygen in the body to support tissue oxygenation when red blood cell oxygen delivery is inadequate or unavailable, serving as an alternative or adjunct to transfusion in selected settings. They are commonly developed as hemoglobin-based oxygen carriers that use modified cell-free hemoglobin to carry oxygen, or as perfluorocarbon-based emulsions that dissolve and shuttle oxygen through the circulation, and they are often discussed under the broader concept of oxygen therapeutics because their intended role is to improve oxygen delivery rather than to replicate every function of whole blood.

This report is a detailed and comprehensive analysis for global Artificial Oxygen Carriers market. Both quantitative and qualitative analyses are presented by company, 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 Artificial Oxygen Carriers market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Artificial Oxygen Carriers market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Artificial Oxygen Carriers market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Artificial Oxygen Carriers market shares of main players, in revenue (\$ Million), 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 Artificial Oxygen Carriers

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 Artificial Oxygen Carriers market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include KaloCyte, HbO2 Therapeutics, Prolong Pharmaceuticals, Hemarina, NuvOx Therapeutics, Aurum Biosciences, SpheriTech, etc.

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

Market segmentation

Artificial Oxygen Carriers 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. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Hemoglobin-based

Perfluorocarbon-based

## Market segment by Target Species

Human Use

Veterinary Use

## Market segment by Application

Hospital

Clinical Research

Others

## Market segment by players, this report covers

KaloCyte

HbO2 Therapeutics

Prolong Pharmaceuticals

Hemarina

NuvOx Therapeutics

Aurum Biosciences

SpheriTech

## Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 13 chapters:**

Chapter 1, to describe Artificial Oxygen Carriers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Artificial Oxygen Carriers, with revenue, gross margin, and global market share of Artificial Oxygen Carriers from 2021 to 2026.

Chapter 3, the Artificial Oxygen Carriers competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Artificial Oxygen Carriers market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Artificial Oxygen Carriers.

Chapter 13, to describe Artificial Oxygen Carriers research findings and conclusion.

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