

Vaccine Contract Manufacturing Market Report by Vaccine Type (Attenuated, Inactivated, Subunit-based, Toxoid-based, DNA-based), Workflow (Downstream, Upstream), Application (Human Use, Veterinary), and Region 2024-2032

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Abstracts

The global vaccine contract manufacturing market size reached US\$ 2.8 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 6.1 Billion by 2032, exhibiting a growth rate (CAGR) of 8.8% during 2024-2032.

Vaccine contract manufacturing refers to the outsourcing of large-scale production of vaccines to contract manufacturing organizations (CMOs). These organizations offer numerous services, including pre-formulation work, formulation development, method development, stability studies, pre-clinical activities, registration batches and commercial manufacturing. Apart from this, they provide expertise and innovative technologies to expand the production chain of pharmaceutical companies. At present, the demand for outsourcing vaccine manufacturing activities is escalating worldwide on account of reduced development costs and complex production protocols.

Vaccination plays a pivotal role in improving human as well as veterinary health. It reduces the need for antibiotics and prevents diseases. The increasing awareness about vaccination and numerous associated benefits, such as protection from severe illnesses and infectious diseases, is catalyzing the demand for immunization programs and inoculations. This, in confluence with understanding the complexity of capital requirement for production, has led the leading pharmaceutical companies to outsource vaccine manufacturing. Apart from this, the lack of equipment and skilled labor for vaccine production in low-resource countries is also contributing to the global vaccine contract manufacturing market growth. Moreover, technological advancements,

including the introduction of expression systems like the EB66 and GPEx and cell culture media platforms, are supporting the market growth. Furthermore, the alarmingly growing cases of coronavirus disease (COVID-19) in numerous countries have propelled the vaccine developers to sign outsourcing agreements with CMOs. This is creating a favorable outlook for the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global vaccine contract manufacturing market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on vaccine type, workflow and application.

Breakup by Vaccine Type:

Attenuated

Inactivated

Subunit-based

Toxoid-based

DNA-based

Breakup by Workflow:

Downstream

Fill and Finish Operations

Analytical and QC Studies

Packaging

Upstream

Mammalian Expression Systems

Bacterial Expression Systems

Yeast Expression Systems

Baculovirus/Insect Expression Systems

Others

Breakup by Application:

Human Use

Veterinary

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 Ajinomoto Co. Inc., Albany Molecular Research Inc, Catalent Inc, Cobra Biologics Limited (Charles River Laboratories International Inc.), Cytovance Biologics Inc. (Hepalink USA Inc.), Fujifilm Holdings Corporation, ICON plc, IDT Biologika GmbH, Lonza Group AG, Merck KGaA, Pharmaceutical Product Development LLC and PRA Health Sciences Inc.

Key Questions Answered in This Report:

Vaccine Contract Manufacturing Market Report by Vaccine Type (Attenuated, Inactivated, Subunit-based, Toxoid-b...

How has the global vaccine contract manufacturing market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global vaccine contract manufacturing market?

What are the key regional markets?

What is the breakup of the market based on the vaccine type?

What is the breakup of the market based on the workflow?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global vaccine contract manufacturing market and who are the key players?

What is the degree of competition in the industry?

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 VACCINE CONTRACT MANUFACTURING MARKET

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

6 MARKET BREAKUP BY VACCINE TYPE

- 6.1 Attenuated
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Inactivated
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Subunit-based

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Toxoid-based
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 6.5 DNA-based
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast

7 MARKET BREAKUP BY WORKFLOW

- 7.1 Downstream
 - 7.1.1 Market Trends
 - 7.1.2 Key Segments
 - 7.1.2.1 Fill and Finish Operations
 - 7.1.2.2 Analytical and QC studies
 - 7.1.2.3 Packaging
 - 7.1.3 Market Forecast
- 7.2 Upstream
 - 7.2.1 Market Trends
 - 7.2.2 Key Segments
 - 7.2.2.1 Mammalian Expression Systems
 - 7.2.2.2 Bacterial Expression Systems
 - 7.2.2.3 Yeast Expression Systems
 - 7.2.2.4 Baculovirus/Insect Expression Systems
 - 7.2.2.5 Others
 - 7.2.3 Market Forecast

8 MARKET BREAKUP BY APPLICATION

- 8.1 Human Use
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Veterinary
 - 8.2.1 Market Trends
 - 8.2.2 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 Ajinomoto Co. Inc.
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.1.4 SWOT Analysis
 - 14.3.2 Albany Molecular Research Inc
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 SWOT Analysis
 - 14.3.3 Catalent Inc
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.3.4 SWOT Analysis
 - 14.3.4 Cobra Biologics Limited (Charles River Laboratories International Inc.)
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.5 Cytovance Biologics Inc. (Hepalink USA Inc.)
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.6 Fujifilm Holdings Corporation
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
 - 14.3.6.4 SWOT Analysis

- 14.3.7 ICON plc
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials
 - 14.3.7.4 SWOT Analysis
- 14.3.8 IDT Biologika GmbH
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
- 14.3.9 Lonza Group AG
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
 - 14.3.9.3 Financials
 - 14.3.9.4 SWOT Analysis
- 14.3.10 Merck KGaA
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 Financials
 - 14.3.10.4 SWOT Analysis
- 14.3.11 Pharmaceutical Product Development LLC
 - 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 PRA Health Sciences Inc.
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio
 - 14.3.12.3 Financials

List Of Tables

LIST OF TABLES

Table 1: Global: Vaccine Contract Manufacturing Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Vaccine Contract Manufacturing Market Forecast: Breakup by Vaccine Type (in Million US\$), 2024-2032

Table 3: Global: Vaccine Contract Manufacturing Market Forecast: Breakup by Workflow (in Million US\$), 2024-2032

Table 4: Global: Vaccine Contract Manufacturing Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 5: Global: Vaccine Contract Manufacturing Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 6: Global: Vaccine Contract Manufacturing Market: Competitive Structure

Table 7: Global: Vaccine Contract Manufacturing Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Vaccine Contract Manufacturing Market: Major Drivers and Challenges

Figure 2: Global: Vaccine Contract Manufacturing Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 4: Global: Vaccine Contract Manufacturing Market: Breakup by Vaccine Type (in %), 2023

Figure 5: Global: Vaccine Contract Manufacturing Market: Breakup by Workflow (in %), 2023

Figure 6: Global: Vaccine Contract Manufacturing Market: Breakup by Application (in %), 2023

Figure 7: Global: Vaccine Contract Manufacturing Market: Breakup by Region (in %), 2023

Figure 8: Global: Vaccine Contract Manufacturing (Attenuated) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 9: Global: Vaccine Contract Manufacturing (Attenuated) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 10: Global: Vaccine Contract Manufacturing (Inactivated) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 11: Global: Vaccine Contract Manufacturing (Inactivated) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 12: Global: Vaccine Contract Manufacturing (Subunit-based) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 13: Global: Vaccine Contract Manufacturing (Subunit-based) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 14: Global: Vaccine Contract Manufacturing (Toxoid-based) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 15: Global: Vaccine Contract Manufacturing (Toxoid-based) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 16: Global: Vaccine Contract Manufacturing (DNA-based) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 17: Global: Vaccine Contract Manufacturing (DNA-based) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 18: Global: Vaccine Contract Manufacturing (Downstream) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 19: Global: Vaccine Contract Manufacturing (Downstream) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 20: Global: Vaccine Contract Manufacturing (Upstream) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 21: Global: Vaccine Contract Manufacturing (Upstream) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 22: Global: Vaccine Contract Manufacturing (Human Use) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 23: Global: Vaccine Contract Manufacturing (Human Use) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 24: Global: Vaccine Contract Manufacturing (Veterinary) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 25: Global: Vaccine Contract Manufacturing (Veterinary) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 26: North America: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 27: North America: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 28: United States: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 29: United States: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 30: Canada: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 31: Canada: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 32: Asia-Pacific: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 33: Asia-Pacific: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 34: China: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 35: China: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 36: Japan: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 37: Japan: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 38: India: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$),

2018 & 2023

Figure 39: India: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 40: South Korea: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 41: South Korea: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 42: Australia: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 43: Australia: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 44: Indonesia: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 45: Indonesia: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 46: Others: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 47: Others: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 48: Europe: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 49: Europe: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 50: Germany: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 51: Germany: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 52: France: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 53: France: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 54: United Kingdom: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 55: United Kingdom: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 56: Italy: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 57: Italy: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 58: Spain: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 59: Spain: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 60: Russia: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 61: Russia: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 62: Others: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 63: Others: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 64: Latin America: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 65: Latin America: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 66: Brazil: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 67: Brazil: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 68: Mexico: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 69: Mexico: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 70: Others: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 71: Others: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 72: Middle East and Africa: Vaccine Contract Manufacturing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 73: Middle East and Africa: Vaccine Contract Manufacturing Market: Breakup by Country (in %), 2023

Figure 74: Middle East and Africa: Vaccine Contract Manufacturing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 75: Global: Vaccine Contract Manufacturing Industry: SWOT Analysis

Figure 76: Global: Vaccine Contract Manufacturing Industry: Value Chain Analysis

Figure 77: Global: Vaccine Contract Manufacturing Industry: Porter's Five Forces Analysis

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