

Global Glass Vial for Vaccine Market Insights, Forecast to 2029

<https://marketpublishers.com/r/G622A259590CEN.html>

Date: November 2023

Pages: 113

Price: US\$ 4,900.00 (Single User License)

ID: G622A259590CEN

Abstracts

This report presents an overview of global market for Glass Vial for Vaccine, sales, revenue and price. Analyses of the global market trends, with historic market revenue/sales data for 2018 - 2022, estimates for 2023, and projections of CAGR through 2029.

This report researches the key producers of Glass Vial for Vaccine, also provides the sales of main regions and countries. Highlights of the upcoming market potential for Glass Vial for Vaccine, and key regions/countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Glass Vial for Vaccine sales, revenue, market share and industry ranking of main manufacturers, data from 2018 to 2023. Identification of the major stakeholders in the global Glass Vial for Vaccine market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by type and by application, sales, revenue, and price, from 2018 to 2029. Evaluation and forecast the market size for Glass Vial for Vaccine sales, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including Schott AG, DWK Life

Sciences, Richland Glass, Nipro, Pacific Vial Manufacturing, Origin Ltd, Stevanato Group, SGD Pharma and Piramal Glass, etc.

By Company

Schott AG

DWK Life Sciences

Richland Glass

Nipro

Pacific Vial Manufacturing

Origin Ltd

Stevanato Group

SGD Pharma

Piramal Glass

Zheng Chuan

Shandong Pharmaceutical Glass

Zheng Li

Gerresheimer

Four Stars Glass

JOTOP Glass

Segment by Type

Molded Glass Vial

Tubular Glass Vial

Segment by Application

Preventive Vaccine

Therapeutic Vaccine

Segment by Region

US & Canada

U.S.

Canada

China

Asia (excluding China)

Japan

South Korea

China Taiwan

Southeast Asia

India

Europe

Germany

France

U.K.

Italy

Russia

Middle East, Africa, Latin America

Brazil

Mexico

Turkey

Israel

GCC Countries

Chapter Outline

Chapter 1: Introduces the report scope of the report, executive summary of different market segments (by type and application, etc.), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 2: Sales (consumption), revenue of Glass Vial for Vaccine in global, regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 3: Detailed analysis of Glass Vial for Vaccine manufacturers competitive landscape, price, sales, revenue, market share and industry ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the sales, revenue, average price, and development potential of each market segment, to

help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments application, covering the sales, revenue, average price, and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6: US & Canada (US & Canada) by type, by application and by country, sales and revenue for each segment.

Chapter 7: Europe by type, by application and by country, sales and revenue for each segment.

Chapter 8: China by type, by application sales and revenue for each segment.

Chapter 9: Asia (excluding China) by type, by application and by region, sales and revenue for each segment.

Chapter 10: Middle East, Africa, and Latin America by type, by application and by country, sales and revenue for each segment.

Chapter 11: Provides profiles of key manufacturers, introducing the basic situation of the main companies in the market in detail, including product descriptions and specifications, Glass Vial for Vaccine sales, revenue, price, gross margin, and recent development, etc.

Chapter 12: Analysis of industrial chain, sales channel, key raw materials, distributors and customers.

Chapter 13: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 14: The main points and conclusions of the report.

Contents

1 STUDY COVERAGE

1.1 Glass Vial for Vaccine Product Introduction

1.2 Market by Type

1.2.1 Global Glass Vial for Vaccine Market Size Growth Rate by Type, 2018 VS 2022 VS 2029

1.2.2 Molded Glass Vial

1.2.3 Tubular Glass Vial

1.3 Market by Application

1.3.1 Global Glass Vial for Vaccine Market Size Growth Rate by Application, 2018 VS 2022 VS 2029

1.3.2 Preventive Vaccine

1.3.3 Therapeutic Vaccine

1.4 Assumptions and Limitations

1.5 Study Objectives

1.6 Years Considered

2 EXECUTIVE SUMMARY

2.1 Global Glass Vial for Vaccine Sales Estimates and Forecasts 2018-2029

2.2 Global Glass Vial for Vaccine Revenue by Region

2.2.1 Global Glass Vial for Vaccine Revenue by Region: 2018 VS 2022 VS 2029

2.2.2 Global Glass Vial for Vaccine Revenue by Region (2018-2023)

2.2.3 Global Glass Vial for Vaccine Revenue by Region (2024-2029)

2.2.4 Global Glass Vial for Vaccine Revenue Market Share by Region (2018-2029)

2.3 Global Glass Vial for Vaccine Sales Estimates and Forecasts 2018-2029

2.4 Global Glass Vial for Vaccine Sales by Region

2.4.1 Global Glass Vial for Vaccine Sales by Region: 2018 VS 2022 VS 2029

2.4.2 Global Glass Vial for Vaccine Sales by Region (2018-2023)

2.4.3 Global Glass Vial for Vaccine Sales by Region (2024-2029)

2.4.4 Global Glass Vial for Vaccine Sales Market Share by Region (2018-2029)

2.5 US & Canada

2.6 Europe

2.7 China

2.8 Asia (excluding China)

2.9 Middle East, Africa and Latin America

3 COMPETITION BY MANUFACTURES

3.1 Global Glass Vial for Vaccine Sales by Manufacturers

3.1.1 Global Glass Vial for Vaccine Sales by Manufacturers (2018-2023)

3.1.2 Global Glass Vial for Vaccine Sales Market Share by Manufacturers (2018-2023)

3.1.3 Global Top 10 and Top 5 Largest Manufacturers of Glass Vial for Vaccine in 2022

3.2 Global Glass Vial for Vaccine Revenue by Manufacturers

3.2.1 Global Glass Vial for Vaccine Revenue by Manufacturers (2018-2023)

3.2.2 Global Glass Vial for Vaccine Revenue Market Share by Manufacturers (2018-2023)

3.2.3 Global Top 10 and Top 5 Companies by Glass Vial for Vaccine Revenue in 2022

3.3 Global Key Players of Glass Vial for Vaccine, Industry Ranking, 2021 VS 2022 VS 2023

3.4 Global Glass Vial for Vaccine Sales Price by Manufacturers

3.5 Analysis of Competitive Landscape

3.5.1 Manufacturers Market Concentration Ratio (CR5 and HHI)

3.5.2 Global Glass Vial for Vaccine Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Key Manufacturers of Glass Vial for Vaccine, Manufacturing Base Distribution and Headquarters

3.7 Global Key Manufacturers of Glass Vial for Vaccine, Product Offered and Application

3.8 Global Key Manufacturers of Glass Vial for Vaccine, Date of Enter into This Industry

3.9 Mergers & Acquisitions, Expansion Plans

4 MARKET SIZE BY TYPE

4.1 Global Glass Vial for Vaccine Sales by Type

4.1.1 Global Glass Vial for Vaccine Historical Sales by Type (2018-2023)

4.1.2 Global Glass Vial for Vaccine Forecasted Sales by Type (2024-2029)

4.1.3 Global Glass Vial for Vaccine Sales Market Share by Type (2018-2029)

4.2 Global Glass Vial for Vaccine Revenue by Type

4.2.1 Global Glass Vial for Vaccine Historical Revenue by Type (2018-2023)

4.2.2 Global Glass Vial for Vaccine Forecasted Revenue by Type (2024-2029)

4.2.3 Global Glass Vial for Vaccine Revenue Market Share by Type (2018-2029)

4.3 Global Glass Vial for Vaccine Price by Type

4.3.1 Global Glass Vial for Vaccine Price by Type (2018-2023)

4.3.2 Global Glass Vial for Vaccine Price Forecast by Type (2024-2029)

5 MARKET SIZE BY APPLICATION

5.1 Global Glass Vial for Vaccine Sales by Application

5.1.1 Global Glass Vial for Vaccine Historical Sales by Application (2018-2023)

5.1.2 Global Glass Vial for Vaccine Forecasted Sales by Application (2024-2029)

5.1.3 Global Glass Vial for Vaccine Sales Market Share by Application (2018-2029)

5.2 Global Glass Vial for Vaccine Revenue by Application

5.2.1 Global Glass Vial for Vaccine Historical Revenue by Application (2018-2023)

5.2.2 Global Glass Vial for Vaccine Forecasted Revenue by Application (2024-2029)

5.2.3 Global Glass Vial for Vaccine Revenue Market Share by Application (2018-2029)

5.3 Global Glass Vial for Vaccine Price by Application

5.3.1 Global Glass Vial for Vaccine Price by Application (2018-2023)

5.3.2 Global Glass Vial for Vaccine Price Forecast by Application (2024-2029)

6 US & CANADA

6.1 US & Canada Glass Vial for Vaccine Market Size by Type

6.1.1 US & Canada Glass Vial for Vaccine Sales by Type (2018-2029)

6.1.2 US & Canada Glass Vial for Vaccine Revenue by Type (2018-2029)

6.2 US & Canada Glass Vial for Vaccine Market Size by Application

6.2.1 US & Canada Glass Vial for Vaccine Sales by Application (2018-2029)

6.2.2 US & Canada Glass Vial for Vaccine Revenue by Application (2018-2029)

6.3 US & Canada Glass Vial for Vaccine Market Size by Country

6.3.1 US & Canada Glass Vial for Vaccine Revenue by Country: 2018 VS 2022 VS 2029

6.3.2 US & Canada Glass Vial for Vaccine Sales by Country (2018-2029)

6.3.3 US & Canada Glass Vial for Vaccine Revenue by Country (2018-2029)

6.3.4 US

6.3.5 Canada

7 EUROPE

7.1 Europe Glass Vial for Vaccine Market Size by Type

7.1.1 Europe Glass Vial for Vaccine Sales by Type (2018-2029)

7.1.2 Europe Glass Vial for Vaccine Revenue by Type (2018-2029)

7.2 Europe Glass Vial for Vaccine Market Size by Application

7.2.1 Europe Glass Vial for Vaccine Sales by Application (2018-2029)

7.2.2 Europe Glass Vial for Vaccine Revenue by Application (2018-2029)

7.3 Europe Glass Vial for Vaccine Market Size by Country

7.3.1 Europe Glass Vial for Vaccine Revenue by Country: 2018 VS 2022 VS 2029

7.3.2 Europe Glass Vial for Vaccine Sales by Country (2018-2029)

7.3.3 Europe Glass Vial for Vaccine Revenue by Country (2018-2029)

7.3.4 Germany

7.3.5 France

7.3.6 U.K.

7.3.7 Italy

7.3.8 Russia

8 CHINA

8.1 China Glass Vial for Vaccine Market Size

8.1.1 China Glass Vial for Vaccine Sales (2018-2029)

8.1.2 China Glass Vial for Vaccine Revenue (2018-2029)

8.2 China Glass Vial for Vaccine Market Size by Application

8.2.1 China Glass Vial for Vaccine Sales by Application (2018-2029)

8.2.2 China Glass Vial for Vaccine Revenue by Application (2018-2029)

9 ASIA (EXCLUDING CHINA)

9.1 Asia Glass Vial for Vaccine Market Size by Type

9.1.1 Asia Glass Vial for Vaccine Sales by Type (2018-2029)

9.1.2 Asia Glass Vial for Vaccine Revenue by Type (2018-2029)

9.2 Asia Glass Vial for Vaccine Market Size by Application

9.2.1 Asia Glass Vial for Vaccine Sales by Application (2018-2029)

9.2.2 Asia Glass Vial for Vaccine Revenue by Application (2018-2029)

9.3 Asia Glass Vial for Vaccine Sales by Region

9.3.1 Asia Glass Vial for Vaccine Revenue by Region: 2018 VS 2022 VS 2029

9.3.2 Asia Glass Vial for Vaccine Revenue by Region (2018-2029)

9.3.3 Asia Glass Vial for Vaccine Sales by Region (2018-2029)

9.3.4 Japan

9.3.5 South Korea

9.3.6 China Taiwan

9.3.7 Southeast Asia

9.3.8 India

10 MIDDLE EAST, AFRICA AND LATIN AMERICA

10.1 Middle East, Africa and Latin America Glass Vial for Vaccine Market Size by Type

10.1.1 Middle East, Africa and Latin America Glass Vial for Vaccine Sales by Type (2018-2029)

10.1.2 Middle East, Africa and Latin America Glass Vial for Vaccine Revenue by Type (2018-2029)

10.2 Middle East, Africa and Latin America Glass Vial for Vaccine Market Size by Application

10.2.1 Middle East, Africa and Latin America Glass Vial for Vaccine Sales by Application (2018-2029)

10.2.2 Middle East, Africa and Latin America Glass Vial for Vaccine Revenue by Application (2018-2029)

10.3 Middle East, Africa and Latin America Glass Vial for Vaccine Sales by Country

10.3.1 Middle East, Africa and Latin America Glass Vial for Vaccine Revenue by Country: 2018 VS 2022 VS 2029

10.3.2 Middle East, Africa and Latin America Glass Vial for Vaccine Revenue by Country (2018-2029)

10.3.3 Middle East, Africa and Latin America Glass Vial for Vaccine Sales by Country (2018-2029)

10.3.4 Brazil

10.3.5 Mexico

10.3.6 Turkey

10.3.7 Israel

10.3.8 GCC Countries

11 COMPANY PROFILES

11.1 Schott AG

11.1.1 Schott AG Company Information

11.1.2 Schott AG Overview

11.1.3 Schott AG Glass Vial for Vaccine Sales, Price, Revenue and Gross Margin (2018-2023)

11.1.4 Schott AG Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

11.1.5 Schott AG Recent Developments

11.2 DWK Life Sciences

11.2.1 DWK Life Sciences Company Information

11.2.2 DWK Life Sciences Overview

11.2.3 DWK Life Sciences Glass Vial for Vaccine Sales, Price, Revenue and Gross Margin (2018-2023)

11.2.4 DWK Life Sciences Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

11.2.5 DWK Life Sciences Recent Developments

11.3 Richland Glass

11.3.1 Richland Glass Company Information

11.3.2 Richland Glass Overview

11.3.3 Richland Glass Glass Vial for Vaccine Sales, Price, Revenue and Gross Margin (2018-2023)

11.3.4 Richland Glass Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

11.3.5 Richland Glass Recent Developments

11.4 Nipro

11.4.1 Nipro Company Information

11.4.2 Nipro Overview

11.4.3 Nipro Glass Vial for Vaccine Sales, Price, Revenue and Gross Margin (2018-2023)

11.4.4 Nipro Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

11.4.5 Nipro Recent Developments

11.5 Pacific Vial Manufacturing

11.5.1 Pacific Vial Manufacturing Company Information

11.5.2 Pacific Vial Manufacturing Overview

11.5.3 Pacific Vial Manufacturing Glass Vial for Vaccine Sales, Price, Revenue and Gross Margin (2018-2023)

11.5.4 Pacific Vial Manufacturing Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

11.5.5 Pacific Vial Manufacturing Recent Developments

11.6 Origin Ltd

11.6.1 Origin Ltd Company Information

11.6.2 Origin Ltd Overview

11.6.3 Origin Ltd Glass Vial for Vaccine Sales, Price, Revenue and Gross Margin (2018-2023)

11.6.4 Origin Ltd Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

11.6.5 Origin Ltd Recent Developments

11.7 Stevanato Group

11.7.1 Stevanato Group Company Information

11.7.2 Stevanato Group Overview

11.7.3 Stevanato Group Glass Vial for Vaccine Sales, Price, Revenue and Gross

Margin (2018-2023)

11.7.4 Stevanato Group Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

11.7.5 Stevanato Group Recent Developments

11.8 SGD Pharma

11.8.1 SGD Pharma Company Information

11.8.2 SGD Pharma Overview

11.8.3 SGD Pharma Glass Vial for Vaccine Sales, Price, Revenue and Gross Margin (2018-2023)

11.8.4 SGD Pharma Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

11.8.5 SGD Pharma Recent Developments

11.9 Piramal Glass

11.9.1 Piramal Glass Company Information

11.9.2 Piramal Glass Overview

11.9.3 Piramal Glass Glass Vial for Vaccine Sales, Price, Revenue and Gross Margin (2018-2023)

11.9.4 Piramal Glass Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

11.9.5 Piramal Glass Recent Developments

11.10 Zheng Chuan

11.10.1 Zheng Chuan Company Information

11.10.2 Zheng Chuan Overview

11.10.3 Zheng Chuan Glass Vial for Vaccine Sales, Price, Revenue and Gross Margin (2018-2023)

11.10.4 Zheng Chuan Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

11.10.5 Zheng Chuan Recent Developments

11.11 Shandong Pharmaceutical Glass

11.11.1 Shandong Pharmaceutical Glass Company Information

11.11.2 Shandong Pharmaceutical Glass Overview

11.11.3 Shandong Pharmaceutical Glass Glass Vial for Vaccine Sales, Price, Revenue and Gross Margin (2018-2023)

11.11.4 Shandong Pharmaceutical Glass Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

11.11.5 Shandong Pharmaceutical Glass Recent Developments

11.12 Zheng Li

11.12.1 Zheng Li Company Information

11.12.2 Zheng Li Overview

11.12.3 Zheng Li Glass Vial for Vaccine Sales, Price, Revenue and Gross Margin (2018-2023)

11.12.4 Zheng Li Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

11.12.5 Zheng Li Recent Developments

11.13 Gerresheimer

11.13.1 Gerresheimer Company Information

11.13.2 Gerresheimer Overview

11.13.3 Gerresheimer Glass Vial for Vaccine Sales, Price, Revenue and Gross Margin (2018-2023)

11.13.4 Gerresheimer Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

11.13.5 Gerresheimer Recent Developments

11.14 Four Stars Glass

11.14.1 Four Stars Glass Company Information

11.14.2 Four Stars Glass Overview

11.14.3 Four Stars Glass Glass Vial for Vaccine Sales, Price, Revenue and Gross Margin (2018-2023)

11.14.4 Four Stars Glass Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

11.14.5 Four Stars Glass Recent Developments

11.15 JOTOP Glass

11.15.1 JOTOP Glass Company Information

11.15.2 JOTOP Glass Overview

11.15.3 JOTOP Glass Glass Vial for Vaccine Sales, Price, Revenue and Gross Margin (2018-2023)

11.15.4 JOTOP Glass Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

11.15.5 JOTOP Glass Recent Developments

12 INDUSTRY CHAIN AND SALES CHANNELS ANALYSIS

12.1 Glass Vial for Vaccine Industry Chain Analysis

12.2 Glass Vial for Vaccine Key Raw Materials

12.2.1 Key Raw Materials

12.2.2 Raw Materials Key Suppliers

12.3 Glass Vial for Vaccine Production Mode & Process

12.4 Glass Vial for Vaccine Sales and Marketing

12.4.1 Glass Vial for Vaccine Sales Channels

- 12.4.2 Glass Vial for Vaccine Distributors
- 12.5 Glass Vial for Vaccine Customers

13 MARKET DYNAMICS

- 13.1 Glass Vial for Vaccine Industry Trends
- 13.2 Glass Vial for Vaccine Market Drivers
- 13.3 Glass Vial for Vaccine Market Challenges
- 13.4 Glass Vial for Vaccine Market Restraints

14 KEY FINDINGS IN THE GLOBAL GLASS VIAL FOR VACCINE STUDY

15 APPENDIX

- 15.1 Research Methodology
 - 15.1.1 Methodology/Research Approach
 - 15.1.2 Data Source
- 15.2 Author Details
- 15.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Glass Vial for Vaccine Market Size Growth Rate by Type, 2018 VS 2022 VS 2029 (US\$ Million)

Table 2. Major Manufacturers of Molded Glass Vial

Table 3. Major Manufacturers of Tubular Glass Vial

Table 4. Global Glass Vial for Vaccine Market Size Growth Rate by Application, 2018 VS 2022 VS 2029 (US\$ Million)

Table 5. Global Glass Vial for Vaccine Revenue Grow Rate (CAGR) by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Table 6. Global Glass Vial for Vaccine Revenue by Region (2018-2023) & (US\$ Million)

Table 7. Global Glass Vial for Vaccine Revenue by Region (2024-2029) & (US\$ Million)

Table 8. Global Glass Vial for Vaccine Revenue Market Share by Region (2018-2023)

Table 9. Global Glass Vial for Vaccine Revenue Market Share by Region (2024-2029)

Table 10. Global Glass Vial for Vaccine Sales Grow Rate (CAGR) by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Table 11. Global Glass Vial for Vaccine Sales by Region (2018-2023) & (K Units)

Table 12. Global Glass Vial for Vaccine Sales by Region (2024-2029) & (K Units)

Table 13. Global Glass Vial for Vaccine Sales Market Share by Region (2018-2023)

Table 14. Global Glass Vial for Vaccine Sales Market Share by Region (2024-2029)

Table 15. Global Glass Vial for Vaccine Sales by Manufacturers (2018-2023) & (K Units)

Table 16. Global Glass Vial for Vaccine Sales Share by Manufacturers (2018-2023)

Table 17. Global Glass Vial for Vaccine Revenue by Manufacturers (2018-2023) & (US\$ Million)

Table 18. Global Glass Vial for Vaccine Revenue Share by Manufacturers (2018-2023)

Table 19. Global Key Players of Glass Vial for Vaccine, Industry Ranking, 2021 VS 2022 VS 2023

Table 20. Glass Vial for Vaccine Price by Manufacturers 2018-2023 (US\$/Unit)

Table 21. Global Glass Vial for Vaccine Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 22. Global Glass Vial for Vaccine by Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Glass Vial for Vaccine as of 2022)

Table 23. Global Key Manufacturers of Glass Vial for Vaccine, Manufacturing Base Distribution and Headquarters

Table 24. Global Key Manufacturers of Glass Vial for Vaccine, Product Offered and Application

Table 25. Global Key Manufacturers of Glass Vial for Vaccine, Date of Enter into This Industry

Table 26. Mergers & Acquisitions, Expansion Plans

Table 27. Global Glass Vial for Vaccine Sales by Type (2018-2023) & (K Units)

Table 28. Global Glass Vial for Vaccine Sales by Type (2024-2029) & (K Units)

Table 29. Global Glass Vial for Vaccine Sales Share by Type (2018-2023)

Table 30. Global Glass Vial for Vaccine Sales Share by Type (2024-2029)

Table 31. Global Glass Vial for Vaccine Revenue by Type (2018-2023) & (US\$ Million)

Table 32. Global Glass Vial for Vaccine Revenue by Type (2024-2029) & (US\$ Million)

Table 33. Global Glass Vial for Vaccine Revenue Share by Type (2018-2023)

Table 34. Global Glass Vial for Vaccine Revenue Share by Type (2024-2029)

Table 35. Glass Vial for Vaccine Price by Type (2018-2023) & (US\$/Unit)

Table 36. Global Glass Vial for Vaccine Price Forecast by Type (2024-2029) & (US\$/Unit)

Table 37. Global Glass Vial for Vaccine Sales by Application (2018-2023) & (K Units)

Table 38. Global Glass Vial for Vaccine Sales by Application (2024-2029) & (K Units)

Table 39. Global Glass Vial for Vaccine Sales Share by Application (2018-2023)

Table 40. Global Glass Vial for Vaccine Sales Share by Application (2024-2029)

Table 41. Global Glass Vial for Vaccine Revenue by Application (2018-2023) & (US\$ Million)

Table 42. Global Glass Vial for Vaccine Revenue by Application (2024-2029) & (US\$ Million)

Table 43. Global Glass Vial for Vaccine Revenue Share by Application (2018-2023)

Table 44. Global Glass Vial for Vaccine Revenue Share by Application (2024-2029)

Table 45. Glass Vial for Vaccine Price by Application (2018-2023) & (US\$/Unit)

Table 46. Global Glass Vial for Vaccine Price Forecast by Application (2024-2029) & (US\$/Unit)

Table 47. US & Canada Glass Vial for Vaccine Sales by Type (2018-2023) & (K Units)

Table 48. US & Canada Glass Vial for Vaccine Sales by Type (2024-2029) & (K Units)

Table 49. US & Canada Glass Vial for Vaccine Revenue by Type (2018-2023) & (US\$ Million)

Table 50. US & Canada Glass Vial for Vaccine Revenue by Type (2024-2029) & (US\$ Million)

Table 51. US & Canada Glass Vial for Vaccine Sales by Application (2018-2023) & (K Units)

Table 52. US & Canada Glass Vial for Vaccine Sales by Application (2024-2029) & (K Units)

Table 53. US & Canada Glass Vial for Vaccine Revenue by Application (2018-2023) & (US\$ Million)

Table 54. US & Canada Glass Vial for Vaccine Revenue by Application (2024-2029) & (US\$ Million)

Table 55. US & Canada Glass Vial for Vaccine Revenue Grow Rate (CAGR) by Country: 2018 VS 2022 VS 2029 (US\$ Million)

Table 56. US & Canada Glass Vial for Vaccine Revenue by Country (2018-2023) & (US\$ Million)

Table 57. US & Canada Glass Vial for Vaccine Revenue by Country (2024-2029) & (US\$ Million)

Table 58. US & Canada Glass Vial for Vaccine Sales by Country (2018-2023) & (K Units)

Table 59. US & Canada Glass Vial for Vaccine Sales by Country (2024-2029) & (K Units)

Table 60. Europe Glass Vial for Vaccine Sales by Type (2018-2023) & (K Units)

Table 61. Europe Glass Vial for Vaccine Sales by Type (2024-2029) & (K Units)

Table 62. Europe Glass Vial for Vaccine Revenue by Type (2018-2023) & (US\$ Million)

Table 63. Europe Glass Vial for Vaccine Revenue by Type (2024-2029) & (US\$ Million)

Table 64. Europe Glass Vial for Vaccine Sales by Application (2018-2023) & (K Units)

Table 65. Europe Glass Vial for Vaccine Sales by Application (2024-2029) & (K Units)

Table 66. Europe Glass Vial for Vaccine Revenue by Application (2018-2023) & (US\$ Million)

Table 67. Europe Glass Vial for Vaccine Revenue by Application (2024-2029) & (US\$ Million)

Table 68. Europe Glass Vial for Vaccine Revenue Grow Rate (CAGR) by Country: 2018 VS 2022 VS 2029 (US\$ Million)

Table 69. Europe Glass Vial for Vaccine Revenue by Country (2018-2023) & (US\$ Million)

Table 70. Europe Glass Vial for Vaccine Revenue by Country (2024-2029) & (US\$ Million)

Table 71. Europe Glass Vial for Vaccine Sales by Country (2018-2023) & (K Units)

Table 72. Europe Glass Vial for Vaccine Sales by Country (2024-2029) & (K Units)

Table 73. China Glass Vial for Vaccine Sales by Type (2018-2023) & (K Units)

Table 74. China Glass Vial for Vaccine Sales by Type (2024-2029) & (K Units)

Table 75. China Glass Vial for Vaccine Revenue by Type (2018-2023) & (US\$ Million)

Table 76. China Glass Vial for Vaccine Revenue by Type (2024-2029) & (US\$ Million)

Table 77. China Glass Vial for Vaccine Sales by Application (2018-2023) & (K Units)

Table 78. China Glass Vial for Vaccine Sales by Application (2024-2029) & (K Units)

Table 79. China Glass Vial for Vaccine Revenue by Application (2018-2023) & (US\$ Million)

Table 80. China Glass Vial for Vaccine Revenue by Application (2024-2029) & (US\$ Million)

Million)

Table 81. Asia Glass Vial for Vaccine Sales by Type (2018-2023) & (K Units)

Table 82. Asia Glass Vial for Vaccine Sales by Type (2024-2029) & (K Units)

Table 83. Asia Glass Vial for Vaccine Revenue by Type (2018-2023) & (US\$ Million)

Table 84. Asia Glass Vial for Vaccine Revenue by Type (2024-2029) & (US\$ Million)

Table 85. Asia Glass Vial for Vaccine Sales by Application (2018-2023) & (K Units)

Table 86. Asia Glass Vial for Vaccine Sales by Application (2024-2029) & (K Units)

Table 87. Asia Glass Vial for Vaccine Revenue by Application (2018-2023) & (US\$ Million)

Table 88. Asia Glass Vial for Vaccine Revenue by Application (2024-2029) & (US\$ Million)

Table 89. Asia Glass Vial for Vaccine Revenue Grow Rate (CAGR) by Country: 2018 VS 2022 VS 2029 (US\$ Million)

Table 90. Asia Glass Vial for Vaccine Revenue by Region (2018-2023) & (US\$ Million)

Table 91. Asia Glass Vial for Vaccine Revenue by Region (2024-2029) & (US\$ Million)

Table 92. Asia Glass Vial for Vaccine Sales by Region (2018-2023) & (K Units)

Table 93. Asia Glass Vial for Vaccine Sales by Region (2024-2029) & (K Units)

Table 94. Middle East, Africa and Latin America Glass Vial for Vaccine Sales by Type (2018-2023) & (K Units)

Table 95. Middle East, Africa and Latin America Glass Vial for Vaccine Sales by Type (2024-2029) & (K Units)

Table 96. Middle East, Africa and Latin America Glass Vial for Vaccine Revenue by Type (2018-2023) & (US\$ Million)

Table 97. Middle East, Africa and Latin America Glass Vial for Vaccine Revenue by Type (2024-2029) & (US\$ Million)

Table 98. Middle East, Africa and Latin America Glass Vial for Vaccine Sales by Application (2018-2023) & (K Units)

Table 99. Middle East, Africa and Latin America Glass Vial for Vaccine Sales by Application (2024-2029) & (K Units)

Table 100. Middle East, Africa and Latin America Glass Vial for Vaccine Revenue by Application (2018-2023) & (US\$ Million)

Table 101. Middle East, Africa and Latin America Glass Vial for Vaccine Revenue by Application (2024-2029) & (US\$ Million)

Table 102. Middle East, Africa and Latin America Glass Vial for Vaccine Revenue Grow Rate (CAGR) by Country: 2018 VS 2022 VS 2029 (US\$ Million)

Table 103. Middle East, Africa and Latin America Glass Vial for Vaccine Revenue by Country (2018-2023) & (US\$ Million)

Table 104. Middle East, Africa and Latin America Glass Vial for Vaccine Revenue by Country (2024-2029) & (US\$ Million)

Table 105. Middle East, Africa and Latin America Glass Vial for Vaccine Sales by Country (2018-2023) & (K Units)

Table 106. Middle East, Africa and Latin America Glass Vial for Vaccine Sales by Country (2024-2029) & (K Units)

Table 107. Schott AG Company Information

Table 108. Schott AG Description and Major Businesses

Table 109. Schott AG Glass Vial for Vaccine Sales (K Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 110. Schott AG Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

Table 111. Schott AG Recent Developments

Table 112. DWK Life Sciences Company Information

Table 113. DWK Life Sciences Description and Major Businesses

Table 114. DWK Life Sciences Glass Vial for Vaccine Sales (K Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 115. DWK Life Sciences Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

Table 116. DWK Life Sciences Recent Developments

Table 117. Richland Glass Company Information

Table 118. Richland Glass Description and Major Businesses

Table 119. Richland Glass Glass Vial for Vaccine Sales (K Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 120. Richland Glass Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

Table 121. Richland Glass Recent Developments

Table 122. Nipro Company Information

Table 123. Nipro Description and Major Businesses

Table 124. Nipro Glass Vial for Vaccine Sales (K Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 125. Nipro Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

Table 126. Nipro Recent Developments

Table 127. Pacific Vial Manufacturing Company Information

Table 128. Pacific Vial Manufacturing Description and Major Businesses

Table 129. Pacific Vial Manufacturing Glass Vial for Vaccine Sales (K Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 130. Pacific Vial Manufacturing Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

Table 131. Pacific Vial Manufacturing Recent Developments

Table 132. Origin Ltd Company Information

Table 133. Origin Ltd Description and Major Businesses

Table 134. Origin Ltd Glass Vial for Vaccine Sales (K Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 135. Origin Ltd Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

Table 136. Origin Ltd Recent Developments

Table 137. Stevanato Group Company Information

Table 138. Stevanato Group Description and Major Businesses

Table 139. Stevanato Group Glass Vial for Vaccine Sales (K Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 140. Stevanato Group Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

Table 141. Stevanato Group Recent Developments

Table 142. SGD Pharma Company Information

Table 143. SGD Pharma Description and Major Businesses

Table 144. SGD Pharma Glass Vial for Vaccine Sales (K Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 145. SGD Pharma Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

Table 146. SGD Pharma Recent Developments

Table 147. Piramal Glass Company Information

Table 148. Piramal Glass Description and Major Businesses

Table 149. Piramal Glass Glass Vial for Vaccine Sales (K Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 150. Piramal Glass Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

Table 151. Piramal Glass Recent Developments

Table 152. Zheng Chuan Company Information

Table 153. Zheng Chuan Description and Major Businesses

Table 154. Zheng Chuan Glass Vial for Vaccine Sales (K Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 155. Zheng Chuan Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications

Table 156. Zheng Chuan Recent Developments

Table 157. Shandong Pharmaceutical Glass Company Information

Table 158. Shandong Pharmaceutical Glass Description and Major Businesses

Table 159. Shandong Pharmaceutical Glass Glass Vial for Vaccine Sales (K Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 160. Shandong Pharmaceutical Glass Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications
Table 161. Shandong Pharmaceutical Glass Recent Developments
Table 162. Zheng Li Company Information
Table 163. Zheng Li Description and Major Businesses
Table 164. Zheng Li Glass Vial for Vaccine Sales (K Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
Table 165. Zheng Li Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications
Table 166. Zheng Li Recent Developments
Table 167. Gerresheimer Company Information
Table 168. Gerresheimer Description and Major Businesses
Table 169. Gerresheimer Glass Vial for Vaccine Sales (K Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
Table 170. Gerresheimer Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications
Table 171. Gerresheimer Recent Developments
Table 172. Four Stars Glass Company Information
Table 173. Four Stars Glass Description and Major Businesses
Table 174. Four Stars Glass Glass Vial for Vaccine Sales (K Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
Table 175. Four Stars Glass Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications
Table 176. Four Stars Glass Recent Developments
Table 177. JOTOP Glass Company Information
Table 178. JOTOP Glass Description and Major Businesses
Table 179. JOTOP Glass Glass Vial for Vaccine Sales (K Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
Table 180. JOTOP Glass Glass Vial for Vaccine Product Model Numbers, Pictures, Descriptions and Specifications
Table 181. JOTOP Glass Recent Developments
Table 182. Key Raw Materials Lists
Table 183. Raw Materials Key Suppliers Lists
Table 184. Glass Vial for Vaccine Distributors List
Table 185. Glass Vial for Vaccine Customers List
Table 186. Glass Vial for Vaccine Market Trends
Table 187. Glass Vial for Vaccine Market Drivers
Table 188. Glass Vial for Vaccine Market Challenges
Table 189. Glass Vial for Vaccine Market Restraints

Table 190. Research Programs/Design for This Report

Table 191. Key Data Information from Secondary Sources

Table 192. Key Data Information from Primary Sources

List Of Figures

LIST OF FIGURES

Figure 1. Glass Vial for Vaccine Product Picture

Figure 2. Global Glass Vial for Vaccine Market Size Growth Rate by Type, 2018 VS 2022 VS 2029 (US\$ Million)

Figure 3. Global Glass Vial for Vaccine Market Share by Type in 2022 & 2029

Figure 4. Molded Glass Vial Product Picture

Figure 5. Tubular Glass Vial Product Picture

Figure 6. Global Glass Vial for Vaccine Market Size Growth Rate by Application, 2018 VS 2022 VS 2029 (US\$ Million)

Figure 7. Global Glass Vial for Vaccine Market Share by Application in 2022 & 2029

Figure 8. Preventive Vaccine

Figure 9. Therapeutic Vaccine

Figure 10. Glass Vial for Vaccine Report Years Considered

Figure 11. Global Glass Vial for Vaccine Revenue, (US\$ Million), 2018 VS 2022 VS 2029

Figure 12. Global Glass Vial for Vaccine Revenue 2018-2029 (US\$ Million)

Figure 13. Global Glass Vial for Vaccine Revenue Market Share by Region in Percentage: 2022 Versus 2029

Figure 14. Global Glass Vial for Vaccine Revenue Market Share by Region (2018-2029)

Figure 15. Global Glass Vial for Vaccine Sales 2018-2029 ((K Units)

Figure 16. Global Glass Vial for Vaccine Sales Market Share by Region (2018-2029)

Figure 17. US & Canada Glass Vial for Vaccine Sales YoY (2018-2029) & (K Units)

Figure 18. US & Canada Glass Vial for Vaccine Revenue YoY (2018-2029) & (US\$ Million)

Figure 19. Europe Glass Vial for Vaccine Sales YoY (2018-2029) & (K Units)

Figure 20. Europe Glass Vial for Vaccine Revenue YoY (2018-2029) & (US\$ Million)

Figure 21. China Glass Vial for Vaccine Sales YoY (2018-2029) & (K Units)

Figure 22. China Glass Vial for Vaccine Revenue YoY (2018-2029) & (US\$ Million)

Figure 23. Asia (excluding China) Glass Vial for Vaccine Sales YoY (2018-2029) & (K Units)

Figure 24. Asia (excluding China) Glass Vial for Vaccine Revenue YoY (2018-2029) & (US\$ Million)

Figure 25. Middle East, Africa and Latin America Glass Vial for Vaccine Sales YoY (2018-2029) & (K Units)

Figure 26. Middle East, Africa and Latin America Glass Vial for Vaccine Revenue YoY (2018-2029) & (US\$ Million)

Figure 27. The Glass Vial for Vaccine Market Share of Top 10 and Top 5 Largest Manufacturers Around the World in 2022

Figure 28. The Top 5 and 10 Largest Manufacturers of Glass Vial for Vaccine in the World: Market Share by Glass Vial for Vaccine Revenue in 2022

Figure 29. Global Glass Vial for Vaccine Market Share by Company Type (Tier 1, Tier 2, and Tier 3): 2018 VS 2022

Figure 30. Global Glass Vial for Vaccine Sales Market Share by Type (2018-2029)

Figure 31. Global Glass Vial for Vaccine Revenue Market Share by Type (2018-2029)

Figure 32. Global Glass Vial for Vaccine Sales Market Share by Application (2018-2029)

Figure 33. Global Glass Vial for Vaccine Revenue Market Share by Application (2018-2029)

Figure 34. US & Canada Glass Vial for Vaccine Sales Market Share by Type (2018-2029)

Figure 35. US & Canada Glass Vial for Vaccine Revenue Market Share by Type (2018-2029)

Figure 36. US & Canada Glass Vial for Vaccine Sales Market Share by Application (2018-2029)

Figure 37. US & Canada Glass Vial for Vaccine Revenue Market Share by Application (2018-2029)

Figure 38. US & Canada Glass Vial for Vaccine Revenue Share by Country (2018-2029)

Figure 39. US & Canada Glass Vial for Vaccine Sales Share by Country (2018-2029)

Figure 40. U.S. Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)

Figure 41. Canada Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)

Figure 42. Europe Glass Vial for Vaccine Sales Market Share by Type (2018-2029)

Figure 43. Europe Glass Vial for Vaccine Revenue Market Share by Type (2018-2029)

Figure 44. Europe Glass Vial for Vaccine Sales Market Share by Application (2018-2029)

Figure 45. Europe Glass Vial for Vaccine Revenue Market Share by Application (2018-2029)

Figure 46. Europe Glass Vial for Vaccine Revenue Share by Country (2018-2029)

Figure 47. Europe Glass Vial for Vaccine Sales Share by Country (2018-2029)

Figure 48. Germany Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)

Figure 49. France Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)

Figure 50. U.K. Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)

Figure 51. Italy Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)

Figure 52. Russia Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)

Figure 53. China Glass Vial for Vaccine Sales Market Share by Type (2018-2029)

- Figure 54. China Glass Vial for Vaccine Revenue Market Share by Type (2018-2029)
- Figure 55. China Glass Vial for Vaccine Sales Market Share by Application (2018-2029)
- Figure 56. China Glass Vial for Vaccine Revenue Market Share by Application (2018-2029)
- Figure 57. Asia Glass Vial for Vaccine Sales Market Share by Type (2018-2029)
- Figure 58. Asia Glass Vial for Vaccine Revenue Market Share by Type (2018-2029)
- Figure 59. Asia Glass Vial for Vaccine Sales Market Share by Application (2018-2029)
- Figure 60. Asia Glass Vial for Vaccine Revenue Market Share by Application (2018-2029)
- Figure 61. Asia Glass Vial for Vaccine Revenue Share by Region (2018-2029)
- Figure 62. Asia Glass Vial for Vaccine Sales Share by Region (2018-2029)
- Figure 63. Japan Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)
- Figure 64. South Korea Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)
- Figure 65. China Taiwan Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)
- Figure 66. Southeast Asia Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)
- Figure 67. India Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)
- Figure 68. Middle East, Africa and Latin America Glass Vial for Vaccine Sales Market Share by Type (2018-2029)
- Figure 69. Middle East, Africa and Latin America Glass Vial for Vaccine Revenue Market Share by Type (2018-2029)
- Figure 70. Middle East, Africa and Latin America Glass Vial for Vaccine Sales Market Share by Application (2018-2029)
- Figure 71. Middle East, Africa and Latin America Glass Vial for Vaccine Revenue Market Share by Application (2018-2029)
- Figure 72. Middle East, Africa and Latin America Glass Vial for Vaccine Revenue Share by Country (2018-2029)
- Figure 73. Middle East, Africa and Latin America Glass Vial for Vaccine Sales Share by Country (2018-2029)
- Figure 74. Brazil Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)
- Figure 75. Mexico Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)
- Figure 76. Turkey Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)
- Figure 77. Israel Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)
- Figure 78. GCC Countries Glass Vial for Vaccine Revenue (2018-2029) & (US\$ Million)
- Figure 79. Glass Vial for Vaccine Value Chain
- Figure 80. Glass Vial for Vaccine Production Process
- Figure 81. Channels of Distribution
- Figure 82. Distributors Profiles
- Figure 83. Bottom-up and Top-down Approaches for This Report
- Figure 84. Data Triangulation

Figure 85. Key Executives Interviewed

I would like to order

Product name: Global Glass Vial for Vaccine Market Insights, Forecast to 2029

Product link: <https://marketpublishers.com/r/G622A259590CEN.html>

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G622A259590CEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970