

Glycomics Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/G4ACAF8F7E82EN.html>

Date: September 2023

Pages: 146

Price: US\$ 2,499.00 (Single User License)

ID: G4ACAF8F7E82EN

Abstracts

Market Overview:

The global glycomics market size reached US\$ 1.4 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 2.8 Billion by 2028, exhibiting a growth rate (CAGR) of 12% during 2023-2028.

Glycomics refers to a study that aids in defining or quantifying the glycome of a cell, tissue, or organism. It mainly assists in identifying the structure and function of the complete set of glycans produced in a single organism and determining all the genes that encode glycoproteins. It also aids in establishing the role of carbohydrate-protein interactions in cell-cell communication. As a result, glycomics finds extensive application in diagnostics, drug discovery, and immunology across the globe.

Glycomics Market Trends:

Presently, there is a rise in the prevalence of chronic diseases on account of sedentary lifestyles and the growing number of individuals who smoke and consume alcohol. In line with this, the coronavirus disease (COVID-19) outbreak has positively influenced the demand for vaccine and treatment drugs to prevent the spread of the pandemic worldwide. This, in turn, is strengthening the growth of the glycomics market. Besides this, glycomics is gaining preference for training and educational purposes around the world. This, in confluence with its extensive applicability in research centers due to the increasing adoption of glycan structure data analysis, is contributing to market growth. Furthermore, leading market players are continuously funding research and development (R&D) activities to enhance the ability of structurally complex glycans to be employed as therapeutics. Consequently, they are developing advanced technologies, such as high-performance liquid chromatography (HPLC), mass

spectrometry (MS), and capillary electrophoresis (CE) in chemical and biochemical research. Moreover, a growing number of Contract Research Organizations (CROs) for the development and production of drugs and biologics is driving the market. Some of the other factors, such as the thriving pharmaceutical industry, rising number of clinical trials, and the improving healthcare infrastructure, are anticipated to propel the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global glycomics market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product, application and end user.

Breakup by Product:

- Enzymes
 - Glycosidases
 - Glycosyltransferases
 - Neuraminidases
 - Sialyltransferases
 - Others
- Instruments
 - Mass Spectrometers
 - HPLC
 - MALDI-TOF
 - Array systems
 - Others
- Kits
 - Glycan Labeling Kits
 - Glycan Purification Kits
 - Glycan Release Kits
 - Others
- Reagents
 - Glycoproteins
 - Monosaccharides
 - Oligosaccharides
 - Others

Breakup by Application:

Drug Discovery and Development
Diagnostics
Others

Breakup by End User:

Academic and Research Institutes
Pharmaceutical and Biotechnology Companies
Contract Research Organizations (CROs)

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 Agilent Technologies Inc., Asparia Glycomics, Bruker Corporation, Danaher Corporation, Dextra Laboratories Limited (New Zealand Pharmaceuticals Limited), Merck KGaA, New England Biolabs, RayBiotech Life Inc., Shimadzu Corporation, Takara Bio Inc., Thermo Fisher Scientific Inc. and Waters Corporation.

Key Questions Answered in This Report

1. What was the size of the global glycomics market in 2022?
2. What is the expected growth rate of the global glycomics market during 2023-2028?
3. What are the key factors driving the global glycomics market?
4. What has been the impact of COVID-19 on the global glycomics market?
5. What is the breakup of the global glycomics market based on the product?
6. What is the breakup of the global glycomics market based on the application?
7. What is the breakup of the global glycomics market based on end user?
8. What are the key regions in the global glycomics market?
9. Who are the key players/companies in the global glycomics market?

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