

Glycomics/Glycobiology Market by Product (Enzymes (Glycosidases, Transferases), Instruments (Mass Spectrometry, Chromatography, Arrays), Kits, Carbohydrates, Reagents), Application (Drug Discovery, Diagnostics), End User - Global Forecast to 2027

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Abstracts

The glycomics/glycobiology market is projected to reach USD 3.7 Billion by 2027 from USD 1.8 Billion in 2022, at a CAGR of 15.5% during the forecast period. The growth of the market is projected to be driven by factors such as increasing number of collaboration and partnership by prominent players in the market for improved glycan analysis, emerging use of glycans as biomarker, and technological advancement.

The enzyme segment grabbed the highest share of the glycomics/glycobiology market in 2022:

Based on product, the glycomics/glycobiology market is segmented into enzymes, kits, instruments, carbohydrates and reagents & chemicals. In 2022, the highest share of the market is held by enzyme segment. This is owing to the consumable nature of enzymes and wide application in R&D activities.

The drug discovery & development segment accounts for the largest share of the application segment in glycomics/glycobiology market.

In 2021, the drug discovery & development segment accounted for the largest share of the market. The largest share of this segment is due to the increasing application of glycomics in drug discovery and development and rising R&D investment by

pharmaceutical & biotechnology.

Major players in the glycomics/glycobiology market are Thermo Fisher Scientific (US), New England Biolabs (US), Merck KGaA (Germany), Promega Corporation (US), Waters Corporation (US), Takara Bio Inc, (Japan), Bio-Techne (US), Agilent Technologies (US), Sumitomo Bakelite Co. Ltd. (Japan), Bruker Corporation (US), Shimadzu Corporation (Japan), Danaher Corporation (US), AMS Bio (UK), Ludger Ltd (UK), Z Biotech, LLC (US), Chemily Glycoscience (US), CD BioGlyco (US), GlycoDiag (France), Kode Biotech Limited (New Zealand), Glyxera GmbH (Germany), Lectenz Bio (US), Glycomix Ltd (UK), IEC Group (Italy), Asparia Glycomics (Spain) and Ray Biotech Life Inc. (US).

“North America: Accounted for the largest share in the glycomics/glycobiology market”

The North America is estimated to be the fastest-growing segment of the market, owing to the increasing presence of pharmaceutical and biotechnology companies, improved healthcare infrastructure and more increasing investments by companies in glycobiology research. In this region, US reports the fastest growth of the glycomics/glycobiology market.

The primary interviews conducted for this report can be categorized as follows:

By Respondent: Supply Side- 80% and Demand Side - 20%

By Designation: Managers- 45%, CXOs and Director level - 30%, and Executives - 25%

By Region: North America -20%, Europe -15%, Asia-Pacific -55%, RoW -10%

List of Companies Profiled in the Report:

Thermo Fisher Scientific (US)

New England Biolabs (US)

Merck KGaA (Germany)

Promega Corporation (US)

Waters Corporation (US)

Takara Bio Inc, (Japan)

Bio-Techne (US)

Agilent Technologies (US)

Sumitomo Bakelite Co. Ltd. (Japan)

Bruker Corporation (US)

Shimadzu Corporation (Japan)

Danaher Corporation (US)

AMS Bio (UK)

Ludger Ltd (UK)

Z Biotech, LLC (US)

Chemily Glycoscience (US)

CD BioGlyco (US)

GlycoDiag (France)

Kode Biotech Limited (New Zealand)

Glyxera GmbH (Germany)

Lectenz Bio (US)

Glycomix Ltd (UK)

IEC Group (Italy)

Asparia Glycomics (Spain)

Ray Biotech Life Inc. (US)

Research Coverage:

This report provides a detailed picture of the glycomics/glycobiology market. It aims at estimating the size and future growth potential of the market across different segments such as the product, application, end users and region. The report also includes an in-depth competitive analysis of the key market players along with their company profiles recent developments and key market strategies.

Key Benefits of Buying the Report:

The report will help market leaders/new entrants by providing them with the closest approximations of the revenue numbers for the overall glycomics/glycobiology market and its subsegments. It will also help stakeholders better understand the competitive landscape and gain more insights to better position their business and make suitable go-to-market strategies. This report will enable stakeholders to understand the market's pulse and provide them with information on the key market drivers, restraints, challenges, and opportunities.

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*Details on Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

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About

Glycomics is the study of carbohydrates and carbohydrate-containing biomolecules in biological processes. The glycomics market includes enzymes, instruments, kits, and reagents used in glycomics research. Glycomics is used in diagnostics, drug discovery research, immunology, oncology, and various other applications. Glycomics products are widely used for analysis of cell surface markers, which can act as diagnostic or therapeutic targets. The global glycomics market is expected to reach \$XX million by 2019 from \$XX million in 2014, at a CAGR of XX% from 2014 to 2019.

The major drivers for the growth of the glycomics market are increasing government and private funding in proteomic and glycomics research, rising pharmaceutical and biotechnology R&D expenditure, growing proteomics market, and technological advancements for glycomics research. On the other hand, a major factor restraining the growth of this market is the high degree of consolidation that acts as an entry barrier for new entrants.

On the basis of products, the glycomics market is segmented into enzymes, instruments, kits, and reagents. The enzymes product segment is expected to account for the largest share of XX% of the global glycomics market in 2014. This segment is poised to reach \$XX million by 2019 from \$XX million in 2014, at a CAGR of XX% during the forecast period.

In the glycomics market, the enzymes product segment is further divided into glycosidases, glycosyltransferases, neuraminidases, sialyltransferases, and other enzymes. In 2014, the glycosidases segment is expected to account for the largest share of XX% of the global glycomics enzymes market. This segment is poised to reach \$XX million by 2019 from \$XX million in 2014, at a CAGR of XX% during the forecast period.

In the glycomics market, the kits product segment is further categorized into glycan labeling kits, glycan purification kits, glycan release kits, and other kits. In 2014, the glycan release kits segment is expected to account for the largest share of XX% of the global glycomics kits market. This segment is poised to reach \$XX million by 2019 from \$XX million in 2014, at a CAGR of XX% during the forecast period.

In the glycomics market, the reagents product segment is further categorized into glycoproteins, monosaccharides, oligosaccharides, and other reagents. In 2014, the

oligosaccharides segment is expected to account for the largest share of XX% of the global glycomics reagents market. This segment is poised to reach \$XX million by 2019 from \$XX million in 2014, at a CAGR of XX% during the forecast period.

On the basis of geography, the glycomics market is segmented into Asia, Europe, North America, and the Rest of the World (RoW). The North American geographic segment is expected to command the largest share of XX% of the global glycomics market in 2014. This geographic segment is poised to reach \$XX million by 2019 from \$XX million in 2014, at a CAGR of XX% from 2014 to 2019.

The key industry players in the global glycomics market are Agilent Technologies (U.S.), Bruker Corporation (U.S.), Danaher Corp. (U.S.), New England Biolabs (U.S.), Prozyme Inc. (U.S.), Sigma-Aldrich Corp. (U.S.), Shimadzu Corp. (Japan), Takara Bio (Japan), Thermo Fisher Scientific (U.S.), and Waters Corporation (U.S.).

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