

# GLYCOBIOLOGY/GLYCOMICS MARKET

By Product [Enzymes (Glycosyltransferase, Neuraminidase, Glycosidase), Instruments (HPLC, Mass Spectrometry, MALDI-TOF), Kits, and Reagents], Application (Immunology, Oncology), End User  
– GLOBAL FORECAST TO 2019

Report Description

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## MarketsandMarkets

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# 1 INTRODUCTION

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## 1.1 OBJECTIVES OF THE STUDY

- To define, describe, and forecast the global glycomics market on the basis of products, applications, end users, and geographies
- To provide detailed information regarding the major factors influencing the growth of the market (drivers, restraints, opportunities, and industry-specific challenges)
- To strategically analyze the micromarkets<sup>1</sup> with respect to individual growth trends, future prospects, and contributions to the overall market
- To analyze the opportunities in the market for stakeholders and to provide details of the competitive landscape for market leaders
- To forecast the market size of the market segments with respect to four main geographical segments, namely, North America, Europe, Asia, and the Rest of the World
- To strategically profile the key players and comprehensively analyze their market shares and core competencies<sup>2</sup>
- To track and analyze the competitive developments such as partnerships, agreements, collaborations and joint ventures; mergers and acquisitions; new product launches; and research and development activities in the glycomics market

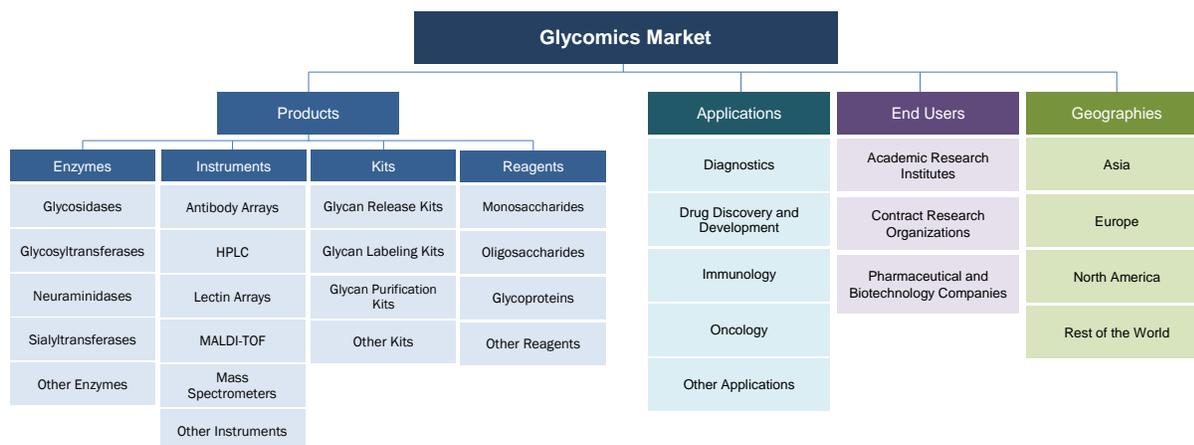
1. Micromarkets are defined as the further segments and subsegments of the global glycomics market included in the report.

2. Core competencies of the companies are captured in terms of the key developments, SWOT analyses, and key strategies adopted by them to sustain their positions in the market.

## 1.2 MARKETS COVERED

This research report categorizes the glycomics market into the following segments:

**FIGURE 1 GLOBAL GLYCOMICS MARKET**



### Global Glycomics Market, by Product

- Enzymes
  - Glycosidases
  - Glycosyltransferases
  - Neuraminidases
  - Sialyltransferases
  - Other Glycomics Enzymes
- Instruments
  - Antibody Arrays
  - HPLC
  - Lectin Arrays
  - MALDI-TOF
  - Mass Spectrometers
  - Other Glycomics Instruments

- Kits
  - Glycan Labeling Kits
  - Glycan Purification Kits
  - Glycan Release kits
  - Other Glycomics Kits
- Reagents
  - Glycoproteins
  - Monosaccharides
  - Oligosaccharides
  - Other Glycomics Reagents

#### Global Glycomics Market, by Application

- Diagnostics
- Drug Discovery and Development
- Immunology
- Oncology
- Other Glycomics Applications

#### Global Glycomics Market, by End User

- Academic Research Institutes
- Contract Research Organizations
- Pharmaceutical and Biotechnology Companies

#### Global Glycomics Market, by Geography

- Asia
  - China
  - India
  - Japan
  - Rest of Asia (RoA)
- Europe
  - France
  - Germany

- Italy
- Spain
- U.K.
- Rest of Europe (RoE)
- North America
  - Canada
  - U.S.
- Rest of the World (RoW)
  - Middle East and Africa
  - Pacific and Oceania
  - South America

### 1.3 STAKEHOLDERS

- Glycomics enzymes, kits, reagents, and instruments manufacturers and vendors
- Associations related to glycomics enzymes, kits, and reagents
- Research institutes and contract research organizations (CROs)
- Market research and consulting firms

### 1.4 MARKET SCOPE

Glycomics is defined as the inclusive study of the glycan structure of cell types or organisms, including genetic, physiologic, pathologic, and other aspects.

- This market study includes the research and diagnostics applications of glycomics products. The study does not include the therapeutic-based applications and products
- The scope of products for this study includes enzymes, instruments, kits, and reagents used in glycomics research
- The base year is 2013 and the forecast period is 2014 to 2019
- The glycomics market for research areas includes diagnostics, drug discovery and development, immunology, oncology, and other application areas. The other application areas include viral recognition (virology), signal pathways (cell biology), and microbiology

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## SAMPLE TABLES

**TABLE 1** MONOSACCHARIDES REAGENTS MARKET SIZE, BY GEOGRAPHY, 2012–2019 (\$MILLION)

| Region        | 2012 | 2013 | 2014 | 2019 | CAGR%<br>(2014–2019) |
|---------------|------|------|------|------|----------------------|
| Asia          | XX   | XX   | XX   | XX   | XX                   |
| Europe        | XX   | XX   | XX   | XX   | XX                   |
| North America | XX   | XX   | XX   | XX   | XX                   |
| RoW           | XX   | XX   | XX   | XX   | XX                   |
| Total         | XX   | XX   | XX   | XX   | XX                   |

Source: Annual Reports, SEC Filings, Investor Presentations, Biotechnology and Biological Sciences Research Council, Department of Biotechnology, European Federation of Biotechnology, Genome Canada, National Human Genome Research Institute, World Bank, World Health Organization, World Intellectual Property Organization, Expert Interviews, and MarketsandMarkets Analysis

**TABLE 2** GLYCOMICS MARKET SIZE FOR ACADEMIC RESEARCH INSTITUTES, BY GEOGRAPHY, 2012–2019 (\$MILLION)

| Region        | 2012 | 2013 | 2014 | 2019 | CAGR%<br>(2014–2019) |
|---------------|------|------|------|------|----------------------|
| Asia          | XX   | XX   | XX   | XX   | XX                   |
| Europe        | XX   | XX   | XX   | XX   | XX                   |
| North America | XX   | XX   | XX   | XX   | XX                   |
| RoW           | XX   | XX   | XX   | XX   | XX                   |
| Total         | XX   | XX   | XX   | XX   | XX                   |

Source: Annual Reports, SEC Filings, Investor Presentations, Biotechnology and Biological Sciences Research Council, Department of Biotechnology, European Federation of Biotechnology, Genome Canada, National Human Genome Research Institute, World Bank, World Health Organization, World Intellectual Property Organization, Expert Interviews, and MarketsandMarkets Analysis

**TABLE 3** MALDI-TOF INSTRUMENTS MARKET SIZE, BY GEOGRAPHY, 2012–2019 (\$MILLION)

| Region        | 2012 | 2013 | 2014 | 2019 | CAGR%<br>(2014–2019) |
|---------------|------|------|------|------|----------------------|
| Asia          | XX   | XX   | XX   | XX   | XX                   |
| Europe        | XX   | XX   | XX   | XX   | XX                   |
| North America | XX   | XX   | XX   | XX   | XX                   |
| RoW           | XX   | XX   | XX   | XX   | XX                   |
| Total         | XX   | XX   | XX   | XX   | XX                   |

Source: Annual Reports, SEC Filings, Investor Presentations, Biotechnology and Biological Sciences Research Council, Department of Biotechnology, European Federation of Biotechnology, Genome Canada, National Human Genome Research Institute, World Bank, World Health Organization, World Intellectual Property Organization, Expert Interviews, and MarketsandMarkets Analysis

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➤ **PROTEOMICS MARKET BY TECHNOLOGY (PROTEIN MICROARRAY, MASS SPECTROMETRY, NMR SPECTROSCOPY, CHROMATOGRAPHY, ELECTROPHORESIS, SURFACE PLASMON RESONANCE, X-RAY CRYSTALLOGRAPHY) - INSTRUMENTS, REAGENTS & SERVICES - GLOBAL FORECAST TO 2018**

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