

# Global and United States Stable Isotope Labeled Biomolecules Market Research by Company, Type & Application 2013-2025

<https://marketpublishers.com/r/GF76FCF3B98EN.html>

Date: April 2018

Pages: 87

Price: US\$ 2,000.00 (Single User License)

ID: GF76FCF3B98EN

## Abstracts

### SUMMARY

An important tool for high-resolution structure determination for NMR spectroscopy is the use of stable isotopically labeled biomolecules. By either selectively or uniformly incorporating stable isotopes into proteins, the user is able to significantly reduce the complexity of their spectra. D Labeled Biomolecules,  $^{15}\text{N}$ , and deuterium are the most common isotopes incorporated into proteins. Microbial expression systems, cell-free extracts, peptide synthesis and custom synthesis provide a variety of options for accomplishing the incorporation of the labels. Microbial expression systems are cell-based protein expression systems in which the microbes are grown in either a defined or complex media with D Labeled Biomolecules labeled glucoses and  $^{15}\text{N}$  Labeled Biomolecules labeled ammonium salts as the sole sources of carbon and nitrogen respectively. Ease of use, adaptability and high protein yields have made these expression systems the most popular technique for stable isotope incorporation. Cell-free extracts and custom synthesis also present their own individual advantages with the use of uniformly or selectively labeled amino acids. Cell-free extracts allow the user to more readily implement high-throughput in vitro protein expression as many proteins are difficult to express in vivo due to complications such as toxicity. Custom synthesis allows for unique, site-specific incorporation of isotopes into peptides allowing the user to study distinct structural regions.

Market Segment as follows:

By Type

D Labeled Biomolecules

<sup>15</sup>N Labeled Biomolecules

<sup>13</sup>C Labeled Biomolecules

Others

### By Application

Scientific Research

Medical

Industrial

Others

### By Company

Cambridge Isotope Laboratories

Sigma-Aldrich

Thermo Fisher Scientific

LGC Standards

Toronto Research Chemicals

IsoLife

WITEGA Laboratorien

Omicron Biochemicals

Icon Isotopes

## Medical Isotopes

The main contents of the report including:

Section 1:

Product definition, type and application, global and United States market overview;

Section 2:

Global and United States Market competition by company;

Section 3:

Global and United States sales revenue, volume and price by type;

Section 4:

Global and United States sales revenue, volume and price by application;

Section 5:

United States export and import;

Section 6:

Company information, business overview, sales data and product specifications;

Section 7:

Industry chain and raw materials;

Section 8:

SWOT and Porter's Five Forces;

Section 9:

Conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Market Segment Overview
  - 1.1.1 Product Definition
  - 1.1.2 Market by Type
    - 1.1.2.1 D Labeled Biomolecules
    - 1.1.2.2 15N Labeled Biomolecules
    - 1.1.2.3 13C Labeled Biomolecules
    - 1.1.2.4 Others
  - 1.1.3 Market by Application
    - 1.1.3.1 Scientific Research
    - 1.1.3.2 Medical
    - 1.1.3.3 Industrial
    - 1.1.3.4 Others
- 1.2 Global and Regional Market Size
  - 1.2.1 Global Overview
  - 1.2.2 United States Overview

### 2 GLOBAL AND REGIONAL MARKET BY COMPANY

- 2.1 Global
  - 2.1.1 Global Sales by Company
  - 2.1.2 Global Price by Company
- 2.2 United States
  - 2.2.1 United States Sales by Company
  - 2.2.2 United States Price by Company

### 3 GLOBAL AND REGIONAL MARKET BY TYPE

- 3.1 Global
  - 3.1.1 Global Sales by Type
  - 3.1.2 Global Price by Type
- 3.2 United States
  - 3.2.1 United States Sales by Type
  - 3.2.2 United States Price by Type

### 4 GLOBAL AND REGIONAL MARKET BY APPLICATION

#### 4.1 Global

4.1.1 Global Sales by Application

4.1.2 Global Price by Application

#### 4.2 United States

4.2.1 United States Sales by Application

4.2.2 United States Price by Application

### **5 REGIONAL TRADE**

#### 5.1 Export

#### 5.2 Import

### **6 KEY MANUFACTURERS**

#### 6.1 Cambridge Isotope Laboratories

6.1.2 Company Information

6.1.2 Product Specifications

6.1.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

#### 6.2 Sigma-Aldrich

6.2.1 Company Information

6.2.2 Product Specifications

6.2.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

#### 6.3 Thermo Fisher Scientific

6.3.1 Company Information

6.3.2 Product Specifications

6.3.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

#### 6.4 LGC Standards

6.4.1 Company Information

6.4.2 Product Specifications

6.4.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

#### 6.5 Toronto Research Chemicals

6.5.1 Company Information

6.5.2 Product Specifications

6.5.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

#### 6.6 IsoLife

6.6.1 Company Information

6.6.2 Product Specifications

6.6.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

## 6.7 WITEGA Laboratorien

6.7.1 Company Information

6.7.2 Product Specifications

6.7.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

## 6.8 Omicron Biochemicals

6.8.1 Company Information

6.8.2 Product Specifications

6.8.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

## 6.9 Icon Isotopes

6.9.1 Company Information

6.9.2 Product Specifications

6.9.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

## 6.10 Medical Isotopes

6.10.1 Company Information

6.10.2 Product Specifications

6.10.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

## **7 INDUSTRY UPSTREAM**

7.1 Industry Chain

7.2 Raw Materials

## **8 MARKET ENVIRONMENT**

8.1 SWOT

8.2 Porter's Five Forces

## **9 CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table Global Market Sales Revenue by Company 2013-2017  
Table Global Market Sales Revenue Share by Company 2013-2017  
Table Global Market Sales Volume by Company 2013-2017  
Table Global Market Sales Volume Share by Company 2013-2017  
Table Global Price by Company 2013-2017  
Table United States Market Sales Revenue by Company 2013-2017  
Table United States Market Sales Revenue Share by Company 2013-2017  
Table United States Market Sales Volume by Company 2013-2017  
Table United States Market Sales Volume Share by Company 2013-2017  
Table United States Price by Company 2013-2017  
Table Global Market Sales Revenue by Type 2013-2017  
Table Global Market Sales Revenue Share by Type 2013-2017  
Table Global Market Sales Volume by Type 2013-2017  
Table Global Market Sales Volume Share by Type 2013-2017  
Table Global Price by Type 2013-2017  
Table United States Market Sales Revenue by Type 2013-2017  
Table United States Market Sales Revenue Share by Type 2013-2017  
Table United States Market Sales Volume by Type 2013-2017  
Table United States Market Sales Volume Share by Type 2013-2017  
Table United States Price by Type 2013-2017  
Table Global Market Sales Revenue by Application 2013-2017  
Table Global Market Sales Revenue Share by Application 2013-2017  
Table Global Market Sales Volume by Application 2013-2017  
Table Global Market Sales Volume Share by Application 2013-2017  
Table Global Price by Application 2013-2017  
Table United States Market Sales Revenue by Application 2013-2017  
Table United States Market Sales Revenue Share by Application 2013-2017  
Table United States Market Sales Volume by Application 2013-2017  
Table United States Market Sales Volume Share by Application 2013-2017  
Table United States Price by Application 2013-2017  
Table United States Export 2013-2017 (Million USD)  
Table United States Export 2013-2017 (Volume)  
Table United States Import 2013-2017 (Million USD)  
Table United States Import 2013-2017 (Volume)  
Table Sales Revenue, Volume, Price, Cost and Margin of Cambridge Isotope

## Laboratories

Table Sales Revenue, Volume, Price, Cost and Margin of Sigma-Aldrich

Table Sales Revenue, Volume, Price, Cost and Margin of Thermo Fisher Scientific

Table Sales Revenue, Volume, Price, Cost and Margin of LGC Standards

Table Sales Revenue, Volume, Price, Cost and Margin of Toronto Research Chemicals

Table Sales Revenue, Volume, Price, Cost and Margin of IsoLife

Table Sales Revenue, Volume, Price, Cost and Margin of WITEGA Laboratorien

Table Sales Revenue, Volume, Price, Cost and Margin of Omicron Biochemicals

Table Sales Revenue, Volume, Price, Cost and Margin of Icon Isotopes

Table Sales Revenue, Volume, Price, Cost and Margin of Medical Isotopes



## List Of Figures

### LIST OF FIGURES

Figure D Labeled Biomolecules Market Size and CAGR 2013-2017 (Million USD)  
Figure D Labeled Biomolecules Market Size and CAGR 2013-2017 (Volume)  
Figure D Labeled Biomolecules Market Forecast and CAGR 2018-2025 (Million USD)  
Figure D Labeled Biomolecules Market Forecast and CAGR 2018-2025 (Volume)  
Figure 15N Labeled Biomolecules Market Size and CAGR 2013-2017 (Million USD)  
Figure 15N Labeled Biomolecules Market Size and CAGR 2013-2017 (Volume)  
Figure 15N Labeled Biomolecules Market Forecast and CAGR 2018-2025 (Million USD)  
Figure 15N Labeled Biomolecules Market Forecast and CAGR 2018-2025 (Volume)  
Figure 13C Labeled Biomolecules Market Size and CAGR 2013-2017 (Million USD)  
Figure 13C Labeled Biomolecules Market Size and CAGR 2013-2017 (Volume)  
Figure 13C Labeled Biomolecules Market Forecast and CAGR 2018-2025 (Million USD)  
Figure 13C Labeled Biomolecules Market Forecast and CAGR 2018-2025 (Volume)  
Figure Others Market Size and CAGR 2013-2017 (Million USD)  
Figure Others Market Size and CAGR 2013-2017 (Volume)  
Figure Others Market Forecast and CAGR 2018-2025 (Million USD)  
Figure Others Market Forecast and CAGR 2018-2025 (Volume)  
Figure Scientific Research Market Size and CAGR 2013-2017 (Million USD)  
Figure Scientific Research Market Size and CAGR 2013-2017 (Volume)  
Figure Scientific Research Market Forecast and CAGR 2018-2025 (Million USD)  
Figure Scientific Research Market Forecast and CAGR 2018-2025 (Volume)  
Figure Medical Market Size and CAGR 2013-2017 (Million USD)  
Figure Medical Market Size and CAGR 2013-2017 (Volume)  
Figure Medical Market Forecast and CAGR 2018-2025 (Million USD)  
Figure Medical Market Forecast and CAGR 2018-2025 (Volume)  
Figure Industrial Market Size and CAGR 2013-2017 (Million USD)  
Figure Industrial Market Size and CAGR 2013-2017 (Volume)  
Figure Industrial Market Forecast and CAGR 2018-2025 (Million USD)  
Figure Industrial Market Forecast and CAGR 2018-2025 (Volume)  
Figure Others Market Size and CAGR 2013-2017 (Million USD)  
Figure Others Market Size and CAGR 2013-2017 (Volume)  
Figure Others Market Forecast and CAGR 2018-2025 (Million USD)  
Figure Others Market Forecast and CAGR 2018-2025 (Volume)  
Figure Global Stable Isotope Labeled Biomolecules Market Size and CAGR 2013-2017 (Million USD)  
Figure Global Stable Isotope Labeled Biomolecules Market Size and CAGR 2013-2017

(Volume)

Figure Global Stable Isotope Labeled Biomolecules Market Forecast and CAGR  
2018-2025 (Million USD)

Figure Global Stable Isotope Labeled Biomolecules Market Forecast and CAGR  
2018-2025 (Volume)

Figure United States Stable Isotope Labeled Biomolecules Market Size and CAGR  
2013-2017 (Million USD)

Figure United States Stable Isotope Labeled Biomolecules Market Size and CAGR  
2013-2017 (Volume)

Figure United States Stable Isotope Labeled Biomolecules Market Forecast and CAGR  
2018-2025 (Million USD)

Figure United States Stable Isotope Labeled Biomolecules Market Forecast and CAGR  
2018-2025 (Volume)

Figure Global Market Sales Revenue Share by Company in 2017

Figure Global Market Sales Volume Share by Company in 2017

Figure United States Market Sales Revenue Share by Company in 2017

Figure United States Market Sales Volume Share by Company in 2017

Figure Global Market Sales Revenue Share by Type in 2017

Figure Global Market Sales Volume Share by Type in 2017

Figure United States Market Sales Revenue Share by Type in 2017

Figure United States Market Sales Volume Share by Type in 2017

Figure Global Market Sales Revenue Share by Application in 2017

Figure Global Market Sales Volume Share by Application in 2017

Figure United States Market Sales Revenue Share by Application in 2017

Figure United States Market Sales Volume Share by Application in 2017

Figure Industry Chain Overview

Figure Stable Isotope Labeled Biomolecules SWOT List

Figure Chemicals & Materials Porter's Five Forces

## I would like to order

Product name: Global and United States Stable Isotope Labeled Biomolecules Market Research by Company, Type & Application 2013-2025

Product link: <https://marketpublishers.com/r/GF76FCF3B98EN.html>

Price: US\$ 2,000.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GF76FCF3B98EN.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

