

COVID-19 Global & USA Stable Isotope Labeled Biomolecules Market Research by Company, Type & Application 2015-2026

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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}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}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.

HeyReport estimates that the Stable Isotope Labeled Biomolecules market size will grow from xxx Million USD in 2020 to xxxx Million USD by 2025, and with a CAGR of xx%. The base year considered for this report is 2019, and the market forecast is projected from 2021 to 2025.

In this report, HeyReport discusses the Global & USA industrial policies, economic environment, and the impact of covid-19 on the Stable Isotope Labeled Biomolecules industry and its cost structure. Besides, this report covers the basic market dynamics, market size and companies competition data. In addition, the report also conducts basic market research on major product type, market end-use and regional trade.

Market Segment as follows:

Product Type Segmentation Includes

D Labeled Biomolecules

15N Labeled Biomolecules

13C Labeled Biomolecules

Others

Application Segmentation Includes

Scientific Research

Medical

Industrial

Others

Companies Includes

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 & USA market overview;

Section 2:

Global & USA Market competition by company;

Section 3:

Global & USA sales revenue, volume and price by type;

Section 4:

Global & USA sales revenue, volume and price by application;

Section 5:

USA export and import;

Section 6:

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

Section 7:

Industry chain and raw materials;

Section 8:

Industrial policies & economic environment

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Conclusion.

For any other requirements, please feel free to contact HeyReport for customized contents.

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