

Protein Labeling Market Analysis By Product, (Enzymes, Reagents, Proteins, Monoclonal Antibodies, Probes/Tags), By Application (Immunological Techniques, Mass Spectroscopy, Protein Microarray, Cell Based Assay, Fluorescence Microscopy), By Labeling Technique (In-vivo, In-vitro), And Segment Forecasts To 2024

<https://marketpublishers.com/r/P962B3A43DDEN.html>

Date: July 2016

Pages: 84

Price: US\$ 4,250.00 (Single User License)

ID: P962B3A43DDEN

Abstracts

Global protein labeling market is anticipated to reach USD 2,602.0 million by 2024, according to a new report by Grand View Research, Inc. Growing adoption of bioengineering technologies and rise in spending on R&D leading to a reduction in process complexity for protein labeling is expected to drive market growth.

Anticipated launch & commercialization of novel products and ongoing improvement in techniques used for proteomic research is expected to further reinforce growth in demand. Improvements in accuracy, resolution and procedures used in techniques such as fluorescence & biorthogonal tagging are estimated to grow over the forecast period.

Ongoing development of genetic sequencing methodologies and consequent reduction in the cost of genome profiling is likely to drive demand for the next step of genetic analysis, i.e., protein expression analysis. Growth in a number of such protein profiling studies is expected to directly fuel demand for genomic and proteomic labeling techniques through to 2024.

Further key findings from the report suggest:

The reagents used for protein labeling accounted for the largest share of revenue in

2015. The larger share can be accounted for by the presence of high demand for labeling of peptides, antibodies and proteins at reaction locations of functional amino acids, and development of novel reagents that have chemo selective capabilities & amino acid cross linking abilities.

Application of protein labeling in immunological techniques was observed to be responsible for generation of the largest share of revenue in 2015. Addition of nanoparticle-based tagging owing to ongoing R&D in emerged with the advent of nanoparticles and nanotechnology. Furthermore, aptamers-mediated nanoparticle-based peptide labeling method is gaining rapid acceptance for use in intracellular imaging and dynamic process tracking.

Dye-based or fluorescence-based protein labeling have been observed to demonstrate high market adoption owing to associated usage in assays like ELISA, western blotting. Ongoing increase in the number of genetics-based R&D projects are also expected to boost market demand.

On the basis of the experimental design, the market can be broadly categorized as in-vitro and in-vivo methodologies. A more minute analysis reveals that a further segment wise classification is also possible. Key segments from the sub-categorization are enzymatic & photo reactive tagging for the segments respectively. As enzymatic marking provides more flexibility of and has application in identification for a number of peptide profiling requirements, the segment is expected to witness lucrative growth over the forecast period.

North America accounted for over 45% of total revenue generated for 2015 owing to the presence of a very large installed base of genetic and proteomic profiling platforms across the U.S. High market usage of peptide identification techniques to be used in sequencing and expression analysis projects in a number of academic and clinical research institutes is another key factor responsible for the region's large share.

Key players operating in this industry include Thermo Fisher Scientific Inc., General Electric Healthcare Life Science, PerkinElmer Inc, Merck Millipore, Promega Corporation, LI-COR Inc., F. Hoffmann-La Roche AG, New England Biolabs, Eurogentec S.A., Kirkegaard & Perry Laboratories (KPL).

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Research Methodology
- 1.2 Research Scope & Assumptions
- 1.3 List of Data Sources

CHAPTER 2 EXECUTIVE SUMMARY

CHAPTER 3 PROTEIN LABELING INDUSTRY OUTLOOK

- 3.1 Market segmentation
- 3.2 Market size and growth prospects, 2013 - 2024
- 3.3 Protein labeling market dynamics
 - 3.3.1 Market driver analysis
 - 3.3.1.1 Increase in R&D spending pertaining to proteomic research
 - 3.3.1.2 Increase in adoption of bioengineering techniques
 - 3.3.1.3 Rise in technological advancement in the market
 - 3.3.2 Market restraint analysis
 - 3.3.2.1 Lack of skilled professionals
- 3.4 Key Opportunities Prioritized
- 3.6 Industry analysis - Porter's
- 3.7 Protein labeling PESTEL Analysis

CHAPTER 4 PROTEIN LABELING PRODUCT OUTLOOK

- 4.1 Global protein labeling revenue share, by product, 2015&2024
- 4.2 Reagents
 - 4.2.1 Reagents market, 2013 - 2024 (USD Million)
 - 4.2.2 Enzymes
 - 4.2.2.1 Enzymes market, 2013 - 2024 (USD Million)
 - 4.2.3 Monoclonal antibodies
 - 4.2.3.1 Monoclonal antibodies market, 2013 - 2024 (USD Million)
 - 4.2.4 Proteins
 - 4.2.4.1 Proteins market, 2013 - 2024 (USD Million)
 - 4.2.5 Probes/tags
 - 4.2.5.1 Probes/tags market, 2013 - 2024 (USD Million)
 - 4.2.6 Other reagents

4.2.6.1 Other reagents market, 2013 - 2024 (USD Million)

4.3 Kits

4.3.1 Kits market, 2013 - 2024 (USD Million)

4.4 Services

4.4.1 Services market, 2013 - 2024 (USD Million)

CHAPTER 5 PROTEIN LABELING APPLICATION OUTLOOK

5.1 Global protein labeling revenue share, by application, 2015&2024

5.2 Protein labeling in cell-based assay

5.2.1 Cell based assay protein labeling market, 2013 - 2024 (USD Million)

5.3 Protein labeling market in fluorescence microscopy

5.3.1 Fluorescence microscopy protein labeling market, 2013 - 2024 (USD Million)

5.4 Protein labeling market in immunological techniques

5.4.1 Immunological techniques protein labeling market, 2013 - 2024 (USD Million)

5.5 Protein labeling market for mass spectrometry

5.5.1 Mass spectrometry protein labeling market, 2013 - 2024 (USD Million)

5.6 Protein labeling market in protein microassay

5.6.1 Protein micro assay protein labeling market, 2013 - 2024 (USD Million)

CHAPTER 6 PROTEIN LABELING METHODS OUTLOOK

6.1 Global protein labeling revenue share, by labeling methods on, 2015&2024

6.2 In vitro

6.2.1 Enzymatic labeling method

6.2.1.1 Enzymatic labeling market, 2013 - 2024 (USD Million)

6.2.2 Dye-based labeling method

6.2.2.1 Dye-based labeling market, 2013 - 2024 (USD Million)

6.2.3 Contrast labeling method

6.2.3.1 Contrast labeling market, 2013 - 2024 (USD Million)

6.2.4 Site specific labeling method

6.2.4.1 Site specific labeling market, 2013 - 2024 (USD Million)

6.2.5 Nanoparticles labeling method

6.2.5.1 Nanoparticles labeling market, 2013 - 2024 (USD Million)

6.2.6 Other labeling method

6.2.6.1 Other labeling method market, 2013 - 2024 (USD Million)

6.3 In vivo

6.3.1 Photo reactive labeling method

6.3.1.1 Photo reactive labeling market, 2013 - 2024 (USD Million)

6.3.2 Radioactive labeling method

6.3.2.2 Radioactive labeling market, 2013 - 2024 (USD Million)

CHAPTER 7 PROTEIN LABELING REGIONAL OUTLOOK

7.1 Global Protein labeling revenue share, by region, 2015&2024

7.2 North America

7.2.1 North America protein labeling market, 2013 - 2024 (USD Million)

7.2.2 U.S.

7.2.2.1 U.S. protein labeling market, 2013 - 2024 (USD Million)

7.2.3 Canada

7.2.3.1 Canada. protein labeling market, 2013 - 2024 (USD Million)

7.3 Europe

7.3.1 Europe protein labeling market, 2013 - 2024 (USD Million)

7.3.2 Germany

7.3.2.1 Germany protein labeling market, 2013 - 2024 (USD Million)

7.3.3 UK

7.3.3.1 UK protein labeling market, 2013 - 2024 (USD Million)

7.4 Asia Pacific

7.4.1 Asia Pacific protein labeling market, 2013 - 2024 (USD Million)

7.4.2 Japan

7.4.2.1 Japan protein labeling market, 2013 - 2024 (USD Million)

7.4.3 China

7.4.3.1 China protein labeling market, 2013 - 2024 (USD Million)

7.5 Latin America

7.5.1 Latin America protein labeling market, 2013 - 2024 (USD Million)

7.5.2 Brazil

7.5.2.1 Brazil protein labeling market, 2013 - 2024 (USD Million)

7.6 MEA

7.6.1 MEA protein labeling market, 2013 - 2024 (USD Million)

7.6.2 South Africa

7.6.2.1 South Africa protein labeling market, 2013 - 2024 (USD Million)

CHAPTER 8 COMPETITIVE LANDSCAPE

8.1 Thermo Fisher Scientific Inc.

8.1.1 Company Overview

8.1.2 Financial Performance

8.1.3 Product Benchmarking

- 8.1.4 Strategic Initiatives
- 8.2 Merck Millipore
 - 8.2.1 Company Overview
 - 8.2.2 Financial Performance
 - 8.2.3 Product Benchmarking
 - 8.2.4 Strategic Initiatives
- 8.3 PerkinElmer, Inc.
 - 8.3.1 Company Overview
 - 8.3.2 Financial Performance
 - 8.3.3 Product Benchmarking
 - 8.3.4 Strategic Initiatives
- 8.4 Promega Corporation
 - 8.4.1 Company Overview
 - 8.4.2 Financial Performance
 - 8.4.3 Product Benchmarking
 - 8.4.4 Strategic Initiatives
- 8.5 General Electric Healthcare Life Science
 - 8.5.1 Company Overview
 - 8.5.2 Financial Performance
 - 8.5.3 Product Benchmarking
 - 8.5.4 Strategic Initiatives
- 8.6 F. Hoffmann-La Roche AG
 - 8.6.1 Company Overview
 - 8.6.2 Financial Performance
 - 8.6.3 Product Benchmarking
 - 8.6.4 Strategic Initiatives
- 8.7 New England Biolabs
 - 8.7.1 Company Overview
 - 8.7.2 Financial Performance
 - 8.7.3 Product Benchmarking
 - 8.7.4 Strategic Initiatives
- 8.8 Eurogentec S.A
 - 8.8.1 Company Overview
 - 8.8.2 Financial Performance
 - 8.8.3 Product Benchmarking
 - 8.8.4 Strategic Initiatives
- 8.9 LI-COR, Inc.
 - 8.9.1 Company Overview
 - 8.9.2 Financial Performance

8.9.3 Product Benchmarking

8.9.4 Strategic Initiatives

8.10 Kirkegaard & Perry Laboratories (KPL)

8.10.1 Company Overview

8.10.2 Financial Performance

8.10.3 Product Benchmarking

8.10.4 Strategic Initiatives

List Of Tables

LIST OF TABLES

Table 1 Protein Labeling- Industry Snapshot & Key Buying Criteria, 2013 - 2024

Table 2 Global protein labeling market estimates, by product, 2013 - 2015 (USD Million)

Table 3 Global protein labeling market forecast, by product, 2016 - 2024 (USD Million)

Table 4 Global protein labeling market estimates, by application, 2013 - 2015USD Million)

Table 5 Global protein labeling market forecast, by application, 2016 - 2024 (USD Million)

Table 6 Global protein labeling market estimates, by labeling technique, 2013 - 2015USD Million)

Table 7 Global protein labeling market forecast, by labeling technique, 2016 - 2024 (USD Million)

Table 8 Protein labeling market estimates, by region, 2013 - 2015USD Million)

Table 9 Protein labeling market forecast, by region, 2016 - 2024 (USD Million)

Table 10 Protein labeling key market driver analysis

Table 11 Protein labeling key market restraint analysis

Table 12 North America protein labeling market estimates, by product, 2013 - 2024 (USD Million)

Table 13 North America protein labeling market forecast, by product, 2016 - 2024 (USD Million)

Table 14 North America protein labeling market estimates, by application, 2013 - 2024 (USD Million)

Table 15 North America protein labeling market forecast, by application, 2016 - 2024 (USD Million)

Table 16 North America protein labeling market estimates, by labeling method 2013 - 2024 (USD Million)

Table 17 North America protein labeling market forecast, by labeling method, 2016 - 2024 (USD Million)

Table 18 U.S. protein labeling market estimates, by product, 2013 - 2024 (USD Million)

Table 19 U.S. protein labeling market forecast, by product, 2016 - 2024 (USD Million)

Table 20 U.S. protein labeling market estimates, by application, 2013 - 2024 (USD Million)

Table 21 U.S. protein labeling market forecast, by application, 2016 - 2024 (USD Million)

Table 22 U.S. protein labeling market estimates, by labeling method, 2013 - 2024 (USD Million)

Table 23 U.S. protein labeling market forecast, by labeling method, 2016 - 2024 (USD Million)

Table 24 Canada protein labeling market estimates, by product, 2013 - 2024 (USD Million)

Table 25 Canada protein labeling market forecast, by product, 2016 - 2024 (USD Million)

Table 26 Canada protein labeling market estimates, by application, 2013 - 2024 (USD Million)

Table 27 Canada protein labeling market forecast, by application, 2016 - 2024 (USD Million)

Table 28 Canada protein labeling market estimates, by labeling method, 2013 - 2024 (USD Million)

Table 29 Canada protein labeling market forecast, by labeling method, 2016 - 2024 (USD Million)

Table 30 Europe protein labeling market estimates, by product, 2013 - 2024 (USD Million)

Table 31 Europe protein labeling market forecast, by product, 2016 - 2024 (USD Million)

Table 32 Europe protein labeling market estimates, by application, 2013 - 2024 (USD Million)

Table 33 Europe protein labeling market forecast, by application, 2016 - 2024 (USD Million)

Table 34 Europe protein labeling market estimates, by labeling method , 2013 - 2024 (USD Million)

Table 35 Europe protein labeling market forecast, by labeling method , 2016 - 2024 (USD Million)

Table 36 Germany protein labeling market estimates, by product, 2013 - 2024 (USD Million)

Table 37 Germany protein labeling market forecast, by product, 2016 - 2024 (USD Million)

Table 38 Germany protein labeling market estimates, by application, 2013 - 2024 (USD Million)

Table 39 Germany protein labeling market forecast, by application, 2016 - 2024 (USD Million)

Table 40 Germany protein labeling market estimates, by labeling method , 2013 - 2024 (USD Million)

Table 41 Germany protein labeling market forecast, by labeling method , 2016 - 2024 (USD Million)

Table 42 UK protein labeling market estimates, by product, 2013 - 2024 (USD Million)

Table 43 UK protein labeling market forecast, by product, 2016 - 2024 (USD Million)

Table 44 UK protein labeling market estimates, by application, 2013 - 2024 (USD Million)

Table 45 UK protein labeling market forecast, by application, 2016 - 2024 (USD Million)

Table 46 UK protein labeling market estimates, by labeling method , 2013 - 2024 (USD Million)

Table 47 UK protein labeling market forecast, by labeling method , 2016 - 2024 (USD Million)

Table 48 Asia Pacific protein labeling market estimates, by product, 2013 - 2024 (USD Million)

Table 49 Asia Pacific protein labeling market forecast, by product, 2016 - 2024 (USD Million)

Table 50 Asia Pacific protein labeling market estimates, by application, 2013 - 2024 (USD Million)

Table 51 Asia Pacific protein labeling market forecast, by application, 2016 - 2024 (USD Million)

Table 52 Asia Pacific protein labeling market estimates, by labeling method , 2013 - 2024 (USD Million)

Table 53 Asia Pacific protein labeling market forecast, by labeling method , 2016 - 2024 (USD Million)

Table 54 Japan protein labeling market estimates, by product, 2013 - 2024 (USD Million)

Table 55 Japan protein labeling market forecast, by product, 2016 - 2024 (USD Million)

Table 56 Japan protein labeling market estimates, by application, 2013 - 2024 (USD Million)

Table 57 Japan protein labeling market forecast, by application, 2016 - 2024 (USD Million)

Table 58 Japan protein labeling market estimates, by labeling method , 2013 - 2024 (USD Million)

Table 59 Japan protein labeling market forecast, by labeling method , 2016 - 2024 (USD Million)

Table 60 China protein labeling market estimates, by product, 2013 - 2024 (USD Million)

Table 61 China protein labeling market forecast, by product, 2016 - 2024 (USD Million)

Table 62 China protein labeling market estimates, by application, 2013 - 2024 (USD Million)

Table 63 China protein labeling market forecast, by application, 2016 - 2024 (USD Million)

Table 64 China protein labeling market estimates, by labeling method , 2013 - 2024 (USD Million)

Table 65 China protein labeling market forecast, by labeling method , 2016 - 2024 (USD Million)

Table 66 Latin America protein labeling market estimates, by product, 2013 - 2024 (USD Million)

Table 67 Latin America protein labeling market forecast, by product, 2016 - 2024 (USD Million)

Table 68 Latin America protein labeling market estimates, by application, 2013 - 2024 (USD Million)

Table 69 Latin America protein labeling market forecast, by application, 2016 - 2024 (USD Million)

Table 70 Latin America protein labeling market estimates, by labeling method , 2013 - 2024 (USD Million)

Table 71 Latin America protein labeling market forecast, by labeling method , 2016 - 2024 (USD Million)

Table 72 Brazil protein labeling market estimates, by product, 2013 - 2024 (USD Million)

Table 73 Brazil protein labeling market forecast, by product, 2016 - 2024 (USD Million)

Table 74 Brazil protein labeling market estimates, by application, 2013 - 2024 (USD Million)

Table 75 Brazil protein labeling market forecast, by application, 2016 - 2024 (USD Million)

Table 76 Brazil protein labeling market estimates, by labeling method , 2013 - 2024 (USD Million)

Table 77 Brazil protein labeling market forecast, by labeling method , 2016 - 2024 (USD Million)

Table 78 MEA protein labeling market estimates, by product, 2013 - 2024 (USD Million)

Table 79 MEA protein labeling market forecast, by product, 2016 - 2024 (USD Million)

Table 80 MEA protein labeling market estimates, by application, 2013 - 2024 (USD Million)

Table 81 MEA protein labeling market forecast, by application, 2016 - 2024 (USD Million)

Table 82 MEA protein labeling market estimates, by labeling method , 2013 - 2024 (USD Million)

Table 83 MEA protein labeling market forecast, by labeling method , 2016 - 2024 (USD Million)

Table 84 South Africa protein labeling market estimates, by product, 2013 - 2024 (USD Million)

Table 85 South Africa protein labeling market forecast, by product, 2016 - 2024 (USD Million)

Table 86 South Africa protein labeling market estimates, by application, 2013 - 2024

(USD Million)

Table 87 South Africa protein labeling market forecast, by application, 2016 - 2024

(USD Million)

Table 88 South Africa protein labeling market estimates, by labeling method , 2013 - 2024 (USD Million)

Table 89 South Africa protein labeling market forecast, by labeling method , 2016 - 2024 (USD Million)

I would like to order

Product name: Protein Labeling Market Analysis By Product, (Enzymes, Reagents, Proteins, Monoclonal Antibodies, Probes/Tags), By Application (Immunological Techniques, Mass Spectroscopy, Protein Microarray, Cell Based Assay, Fluorescence Microscopy), By Labeling Technique (In-vivo, In-vitro), And Segment Forecasts To 2024

Product link: <https://marketpublishers.com/r/P962B3A43DDEN.html>

Price: US\$ 4,250.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/P962B3A43DDEN.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