

Protein Detection & Quantification Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global protein detection & quantification market size reached US\$ 2.5 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 4.4 Billion by 2028, exhibiting a growth rate (CAGR) of 9.2% during 2023-2028.

Protein detection and quantification refer to methods that are generally adopted by scientific experts in order to determine the total protein content and its characteristics. It helps to develop a comparison between two distinctive protein samples, measure enzyme kinetics, and verify the success of the lysis step. Some of the commonly used techniques for protein detection and quantification include enzyme-linked immunosorbent assay (ELISA), mass spectrometry, western blot analysis and nanoparticles and nanopore-based methods. As a result, it is extensively utilized across academic institutions, research organizations, and biotechnology and pharmaceutical companies for research studies and clinical diagnosis.

Protein Detection & Quantification Market Trends:

The global market is primarily driven by significant growth in the pharmaceutical industry. Along with this, various technological advancements in biotechnology are acting as major growth-inducing factors. For instance, the widespread adoption of infrared spectroscopy and immunoassay techniques that assist experts in attaining accurate results is expected to impact the market growth favorably. Moreover, increasing investments by private and public agencies to conduct extensive research and development (R&D) in the field of proteomics is one of the key factors driving the growth of the market across the globe. Furthermore, the rising prevalence of chronic illnesses that have propelled the need to diagnose diseases at a molecular level in order to develop therapeutic treatments is providing a boost to the market growth on the

global level. Other factors, including the increasing investments to upgrade the existing healthcare infrastructure and continuous improvements in the genomics industry, are also projected to drive the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global protein detection & quantification market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product, technology, application and end user.

Breakup by Product:

- Kits and Reagents/Consumables
- Instruments
- Services

Breakup by Technology:

- Colorimetric Assays
- Immunological Methods
- Chromatography
- Mass Spectrometry
- Spectroscopy Instruments
- Others

Breakup by Application:

- Drug Discovery and Development
- Clinical Diagnosis
- Others

Breakup by End User:

- Academic Research Institutes
- Biotechnology and Pharmaceutical Companies
- Contract Research Organization
- Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Agilent Technologies Inc., Bio-Rad Laboratories Inc., Danaher Corporation, General Electric Company, Inanovate Inc., Merck KGaA, PerkinElmer Inc., RayBiotech Life Inc., Shimadzu Corporation and Thermo Fisher Scientific Inc.

Key Questions Answered in This Report

1. What was the size of the global protein detection & quantification market in 2022?
2. What is the expected growth rate of the global protein detection & quantification market during 2023-2028?
3. What are the key factors driving the global protein detection & quantification market?
4. What has been the impact of COVID-19 on the global protein detection &

quantification market?

5. What is the breakup of the global protein detection & quantification market based on the product?

6. What is the breakup of the global protein detection & quantification market based on the technology?

7. What is the breakup of the global protein detection & quantification market based on the application?

8. What is the breakup of the global protein detection & quantification market based on the end user?

9. What are the key regions in the global protein detection & quantification market?

10. Who are the key players/companies in the global protein detection & quantification market?

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