

Sample Preparation Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global sample preparation market size reached US\$ 7.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 11.2 Billion by 2028, exhibiting a growth rate (CAGR) of 6.1% during 2023-2028.

Sample preparation is the process of extracting or enriching analytes from sample matrices into the final analyte solution. It involves drawing, handling, and preparation of samples that fulfill the demands of modern microbiology. It includes biological and chemical samples for analyzing raw materials to determine the presence of unwanted materials in various chemical compounds. It offers increased sensitivity, detection of selected functional groups, ease of automation, high throughput, and better separation in chromatography. As a result, the sample preparation method is extensively used across different industry verticals.

Sample Preparation Market Trends:

The escalating need for food analysis due to rising safety concerns represents one of the key factors positively influencing the market. Sample preparation is increasingly being used in food processing to ensure the efficiency and quality of final products. In addition, the widespread adoption of innovative technologies for developing advanced instruments is driving the demand for automation in sample preparation methods. Automated sample preparation helps improve productivity and lowers the health and safety risks of the operators by eliminating direct exposure to hazardous chemicals, such as ammonia (NH₃), sulfuric acid (H₂SO₄), and biological laboratory samples. It

also enhances the productivity of a laboratory by minimizing the resource allocation for repetitive tasks. Apart from this, the shifting preference of researchers from manual sample preparation to workstations is positively influencing the market. Moreover, leading players are focusing on introducing innovative products for enhanced drug discovery, development, diagnostics, analytical testing, and blood testing, which is stimulating the market growth. Additionally, various government and private organizations are financing research and development (R&D) of clinical diagnostic, forensic, proteomics, and genomics research with proper sample preparation to get accurate results.

Key Market Segmentation:

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

Breakup by Product:

- Sample Preparation Instruments
 - Extraction System
 - Workstation
 - Automated Evaporation System
 - Liquid Handling Instrument
 - Others
- Consumables
 - Sample Preparation Kit
 - Purification Kit
 - Isolation Kit
 - Extraction Kit

Breakup by Application:

- Proteomics
- Genomics
- Epigenomics
- Others

Breakup by End User:

Pharmaceutical or Biotechnology Companies
Food and Beverages Industry
Research and Academic Institutes
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., Biotage, F. Hoffmann-La Roche AG, Norgen Biotek Corp., PerkinElmer Inc., Phenomenex Inc. (Danaher Corporation), Qiagen, Restek Corporation, Tecan Group

Ltd., Thermo Fisher Scientific Inc. and Waters Corporation.

Key Questions Answered in This Report

1. What was the size of the global sample preparation market in 2022?
2. What is the expected growth rate of the global sample preparation market during 2023-2028?
3. What has been the impact of COVID-19 on the global sample preparation market?
4. What are the key factors driving the global sample preparation market?
5. What is the breakup of the global sample preparation market based on the application?
6. What is the breakup of the global sample preparation market based on the end user?
7. What are the key regions in the global sample preparation market?
8. Who are the key players/companies in the global sample preparation market?

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