

Global PFAS Testing Market Size Study, by Type (Sample Preparation, Chromatography Columns), Technique (LC-MS-MS, GC/MS, NMR, ELISA), Analyte Type (PFOS, PFOA, PFNA, PFHxS), Application (Drinking Water, Wastewater, Air, Soil), and Regional Forecasts 2022-2032

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Abstracts

The Global PFAS Testing Market, valued at approximately USD 110 million in 2023, is poised to grow at an impressive compound annual growth rate (CAGR) of 14.40% over the forecast period 2024-2032. This growth trajectory underscores the increasing global emphasis on addressing environmental and health concerns associated with per- and polyfluoroalkyl substances (PFAS). PFAS, often referred to as 'forever chemicals,' persist in the environment and are linked to numerous health risks, prompting stricter regulations and escalating demand for precise testing methods.

Emerging advancements in PFAS testing technologies, particularly Liquid Chromatography-Mass Spectrometry (LC-MS-MS) and Gas Chromatography (GC/MS), have significantly enhanced the detection accuracy of trace contaminants in various matrices such as drinking water, soil, and air. Analytical solutions like ELISA (enzyme-linked immunosorbent assay) are becoming indispensable for cost-effective and high-throughput testing, complementing laboratory protocols. However, the market faces challenges, including high testing costs and the complexity of adapting universal methodologies across diverse environmental conditions and regulatory landscapes.

Regionally, North America commands a dominant position in the PFAS testing market, driven by stringent EPA regulations, widespread awareness, and substantial investments in environmental safety initiatives. Europe, with its robust regulatory

frameworks and commitment to sustainable environmental practices, holds a significant share as well. Meanwhile, the Asia-Pacific region is anticipated to exhibit the fastest growth during the forecast period, fueled by industrial expansion, urbanization, and rising environmental consciousness in nations like China, India, and Japan. Latin America and the Middle East & Africa are progressively adopting PFAS testing technologies, supported by increasing government initiatives and international collaborations.

Major Market Players Included in This Report Are:

Agilent Technologies

Thermo Fisher Scientific

Waters Corporation

PerkinElmer, Inc.

Danaher Corporation

Shimadzu Corporation

SGS SA

Eurofins Scientific

Bureau Veritas

Intertek Group plc

ALS Limited

3M Company

Horiba, Ltd.

Bruker Corporation

Metrohm AG

The Detailed Segments and Sub-Segments of the Market Are Explained Below:

By Type:

Sample Preparation

Chromatography Columns

By Technique:

LC-MS-MS

GC/MS

NMR

ELISA

By Analyte Type:

PFOS

PFOA

PFNA

PFHxS

By Application:

Drinking Water

Wastewater

Air

Soil

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia-Pacific

Latin America:

Brazil

Mexico

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years Considered for the Study Are as Follows:

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024 to 2032

Key Takeaways:

Comprehensive market estimates and forecasts for 2022-2032.

Regional and country-level insights focusing on emerging opportunities.

Analysis of competitive dynamics and key player strategies.

In-depth segmentation to understand specific market drivers and challenges.

Actionable recommendations for market stakeholders to leverage growth potential effectively.

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