

**Middle East & Africa Lipidomics Equipment Market Forecast to 2028 – COVID-19 Impact and Regional Analysis – by Type (Targeted and Untargeted), Offerings {MS-Based Lipidomics Techniques [Mass Spectrometers Equipped with Ion Sources (Turbo-) ESI/Nano-ESI/APCI, Autosamplers, Micropumps, UV Detectors, UPLC, Variable-Length Fluorescence Detectors, and Others], Assays For Lipid Metabolism, Lipid Flux Using Heavy Isotope-Labeled Precursors, Software & Services, and Others}, Services [[Biomarker Identification, Bioinformatic Analysis & Data Interpretation, Molecular Analysis of a Broad Spectrum of Phospholipids (Lipid Fingerprinting), Analysis & Identification of Unusual Lipids, Semiquantitative & Quantitative Analysis, Lipid Flux Studies, and Others], and End User (Molecular Research, Cellular Research, Clinical Research, Tissue & Organ Research, Data Research, Organism Research, Technical Services & Prototyping, Production, and Others)**

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## Abstracts

The MEA lipidomics equipment market is expected to grow from US\$ 102.66 million in 2022 to US\$ 231.39 million by 2028. It is estimated to grow at a CAGR of 14.5% from 2022 to 2028.

### Growing Use of Fully Automated Lipidomics Equipment is Driving the MEA Lipidomics Equipment Market

Earlier, the development of automated mass spectrometer solutions mainly focused on pre- and post-analytical areas. Shimadzu, Thermo Fisher, Tecan Group, Agilent, and SCIEX have introduced semiautomated mass spectrometers in the last few years. In 2022, Thermo Fisher launched Cascadion SM Clinical Analyzer, a fully automated system designed for simplifying clinical testing processes; currently, only one vitamin D assay can be run on this Thermo Fisher analyzer. The Cascadion features automated sample preparation, dedicated assays, and LIS connectivity. The launch of such fully automated systems has created the scope for the complete automation of lipidome characterization. Thus, automated lipidomics equipment is likely to emerge as a new trend in the MEA lipidomics equipment market .

### MEA Lipidomics Equipment Market Overview

The MEA lipidomics equipment market has been categorized into the UAE, Saudi Arabia, South Africa, and the Rest of MEA. Saudi Arabia held a substantial share of the market in 2022. Saudi Arabia is one of the fastest-growing countries in the MEA, with a large population suffering from cancer. The government is taking initiatives to develop and strengthen its healthcare sector. As part of The Riyadh Global Medical Biotechnology Summit in September 2021, health affairs at the Ministry of National Guard are aiming to reach the vision goals by 2030 by strengthening the health sector and promoting investment in biomedical technology. The government proposed the Saudi Food and Drug Authority Strategic Plan (2018–2022) as its third annual strategic plan. The project incorporates the vision and strategic priorities developed by the drug, food, and medical device regulators. They also intend to establish a central testing lab in Riyadh for research purposes. Furthermore, the government plans to spend almost US\$ 13.3 billion by 2020 on an initiative to promote entertainment, health, sport, and education. Therefore, the increase in better facilities for health and education is likely to create good opportunities for the metabolomics services market. Furthermore, the Saudi Ministry of Health (MOH) oversees health services' planning, implementation, and regulation. The MOH and other government health facility providers provide 79% of health services. Thus, increased development of healthcare facilities and the country's growing chronic disease burden are expected to support the market growth.

## MEA Lipidomics Equipment Market Revenue and Forecast to 2028 (US\$ Million)

### MEA Lipidomics Equipment Market Segmentation

The MEA lipidomics equipment market is segmented based on type, offerings, services, end user, and country.

Based on type, the MEA lipidomics equipment market is bifurcated into targeted and untargeted. The targeted segment held a larger market share in 2022.

Based on offerings, the MEA lipidomics equipment market is segmented into MS-based lipidomics techniques, assays for lipid metabolism, lipid flux using heavy isotope-labeled precursors, software & services, and others. The MS-based lipidomics techniques segment held the largest market share in 2022. The MS-based lipidomics techniques segment is further categorized into mass spectrometers equipped with ion sources (turbo-) ESI/nano-ESI/APCI, autosamplers, micropumps, UV detectors, UPLC, variable-length fluorescence detectors, and others.

Based on services, the MEA lipidomics equipment market has been segmented into biomarker identification, bioinformatic analysis & data interpretation, molecular analysis of a broad spectrum of phospholipids (lipid fingerprinting), analysis & identification of unusual lipids, semiquantitative & quantitative analysis, lipid flux studies, and others. The biomarker identification segment held the largest market share in 2022.

Based on end user, the MEA lipidomics equipment market is segmented into molecular research, cellular research, clinical research, tissue & organ research, data research, organism research, technical services & prototyping, production, and others. The molecular research segment held the largest market share in 2022.

Based on country, the MEA lipidomics equipment market has been categorized into the UAE, Saudi Arabia, South Africa, and the Rest of MEA. Our regional analysis states that the Rest of MEA dominated the market share in 2022.

Agilent Technologies, Inc.; Bruker; Cayman Chemical; Creative Proteomics; IonBench; PerkinElmer Inc.; Sciex; Shimadzu Corporation.; and Thermo Fisher Scientific Inc. are among the leading companies operating in the MEA lipidomics equipment market.

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