

Global Q-TOF Mass Spectrometry Market by Application (Biotechnology Applications, Pharmaceutical Applications, Food & Beverage Testing, Environmental Testing, Petrochemical Applications), Regional Forecasts 2021-2027

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Abstracts

Global Q-TOF Mass Spectrometry Market is valued approximately at USD 876.6 million in 2020 and is anticipated to grow with a healthy growth rate of more than 7.7% over the forecast period 2021-2027. Time-of-flight mass spectrometry (TOFMS) is a mass spectrometry technique under which the particle's mass-to-charge proportion is measured using time-of-flight measurements. The particles are accelerated by a known intensity electric field. As a consequence of the acceleration, the particle has the same kinetic energy as any other particle with the same charge. The Q-TOF mass Spectrometry market is driven by increasing spending on pharmaceutical and biotechnological R&D and growing Focus on Ensuring Food Quality. For instance, according to the Organization for Economic Cooperation and Development (OECD), Germany spent 3.13 percent of GDP on research and development in 2018, up from 3.07 percent in 2017 and 2.94 percent in 2016. Among the most effective instruments for analyzing chemical and biological organisms is mass spectrometry. Furthermore, the industry is being driven by the strong demand for COVID-19 from the biotechnology and pharmaceutical industries. In India 2020, researchers at the Institute of Genomics and Integrative Biology (IGIB) in Delhi and the National Centre for Disease Control (NCDC) used a mass spectrometer to detect novel coronavirus (COVID-19) with 95 percent sensitivity and 100 percent consistency as compared to RT-PCR. However, High Cost of Q-TOF Mass Spectrometers, may impede market growth over the forecast period of 2021-2027.

North America is expected to dominate the global Q-TOF mass spectrometry market,

followed by Europe. The main drivers driving the growth of the North American industry are increased government spending and increased biotech and biopharma R&D in the United States. Growing financing for research and development in Canada is projected to drive demand growth over the forecast period 2020-2021.

Major market player included in this report are:

Thermo Fisher Scientific
Waters Corporation
Agilent Technologies
Sciex (A Subsidiary of Danaher)
Shimadzu Corporation
Shimadzu Corporation
JEOL Ltd
LECO Corporation
MKS Instruments
PerkinElmer Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

Biotechnology Applications
Pharmaceutical Applications
Food & Beverage Testing
Environmental Testing
Petrochemical Applications
Other Applications

By Region:

North America
U.S.

Canada
Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027.

Target Audience of the Global Q-TOF Mass Spectrometry Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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