

Global In Vitro Toxicity Testing Market Size study by Product (Assay (Western Blot, Tissue Culture), Equipment, Assay Reagent, Software), Toxicity Endpoints (ADME, Skin Irritation, Corrosion), Industry (Pharmaceutical, Cosmetics) and Regional Forecasts 2021-2027

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Abstracts

Global In Vitro Toxicity Testing Market is valued approximately USD 9.1 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 10.1 % over the forecast period 2021-2027. In Vitro Toxicity Testing is the study of the effects of toxic chemical substances on cultured bacteria and cells. The global market for in vitro toxicity testing is expected to see remarkable growth during the review period due to the increasing number of R&D procedures requiring in vitro testing, prohibited animal testing, and increased awareness of environmental concerns. Additionally, advances in genetics and genetic screening approaches, as well as the emergence of new approaches to 3D cell culture, may drive the market for in vitro toxicity testing. Large companies have focused on introducing new products to meet the specific needs of researchers.. In September 2019, Covance opened a new R&D Center in Shanghai, China. In May 2018, Eurofins opened a new food testing laboratory in Suzhou. However, lack of highly skilled personnel for method development, validation, operation, and troubleshooting activities impedes the growth of the market over the forecast period of 2021-2027. Also, increasing focus on drug discovery and personalized medicine using in vitro methods is likely to increase the market growth during the forecast period.

The regional analysis of global In Vitro Toxicity Testing Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading region across the world in terms of market share

owing to increase in infrastructure investment, increased focus of government bodies for drug discovery, rise in healthcare expenditure. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate over the forecast period 2021-2027. Factors such as enhancement in health care infrastructure and rise in government incentives for research in academic and private organizations to aid enhancement in technology would create lucrative growth prospects for the In Vitro Toxicity Testing Market across Asia-Pacific region.

Major market player included in this report are:

Merck KGaA

Charles River

Bio-Rad Laboratories, Inc.

Abbott

Thermo Fisher Scientific Inc.

Catalent, Inc.

GE Healthcare

Quest Diagnostics Incorporated

Eurofins Scientific

Laboratory Corporation of America Holdings

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 Product:

Consumables

Assays

Equipment

Software

Services

By Method:

Cellular Assays
Biochemical Assays
In Silico Models
Ex Vivo Models
By Toxicity Endpoint & Test:
ADME
Skin Irritation, Corrosion, & Sensitization
Genotoxicity Testing
Cytotoxicity Testing
Ocular Toxicity
Organ Toxicity
Phototoxicity Testing
Dermal Toxicity
Other Toxicity Endpoints & Tests

By Industry:
Pharmaceuticals & Biopharmaceuticals
Cosmetic & Household Products
Food
Chemicals
By Technology:
Cell Culture Technologies
High-throughput Technologies
Toxicogenomics

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 In Vitro Toxicity Testing 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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