

# In-Vitro Toxicology Testing Market Report: Trends, Forecast and Competitive Analysis

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## Abstracts

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The future of the in-vitro toxicology testing market looks promising with opportunities in various applications, such as pharmaceuticals & biopharmaceuticals, cosmetic & household products, food, and chemicals. The global in-vitro toxicology testing market is expected to grow with a CAGR of 10%-12% from 2020 to 2025. The major drivers for this market are opposition to animal testing and increasing research & development expenditure to detect toxicity at an early stage during drug development.

A total of XX figures / charts and XX tables are provided in more than 150 pages report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope, benefits, companies researched, and other details of the global in-vitro toxicology testing market report, please download the report brochure.

In this market, consumables is the largest product & service segment of in-vitro toxicology testing, whereas pharmaceuticals & biopharmaceuticals is the largest end use industry. Growth in various segments of the consumables is the largest product & service segment of in-vitro toxicology testing, whereas pharmaceuticals & biopharmaceuticals is the largest end use industry market are given below:

The study includes trends and forecast for the global in-vitro toxicology testing market by product & service, method, toxicity endpoint & test, industry, technology, and region as follows:

By Product & Service [Value (\$ Million) shipment analysis for 2014 – 2025]:

Consumables

Assays

Bacterial Toxicity Assays

Enzyme Toxicity Assays

Cell-based Elisa & Western Blots

Receptor-binding Assays

Tissue Culture Assays

Other Assays

Equipment

Software

Services

By Method [Value (\$ Million) shipment analysis for 2014 – 2025]:

Cellular Assays

Biochemical Assays

In Silico Models

Ex Vivo Models

By Toxicity Endpoint & Test [Value (\$ Million) shipment analysis for 2014 – 2025]:

ADME

Skin Irritation, Corrosion, & Sensitization

Genotoxicity Testing

Cytotoxicity Testing

Ocular Toxicity

Organ Toxicity

Phototoxicity Testing

Dermal Toxicity

Other Toxicity Endpoints & Tests

By End Use Industry [Value (\$ Million) shipment analysis for 2014 – 2025]:

Pharmaceuticals & Biopharmaceuticals

Cosmetic & Household Products

Food

Chemicals

By Technology [Value (\$ Million) shipment analysis for 2014 – 2025]:

Cell Culture Technologies

High-throughput Technologies

Toxicogenomics

By Region [Value (\$ Million) shipment analysis for 2014 – 2025]:

North America

United States

Canada

Mexico

Europe

United Kingdom

Spain

Germany

France

Asia Pacific

China

India

Japan

The Rest of the World

Brazil

Some of the in-vitro toxicology testing companies profiled in this report include Thermo Fisher Scientific, Covance, Bio-Rad Laboratories, GE Healthcare, Eurofins Scientific, Merck, Charles River Laboratories, Catalent, Cyprotex, SGS, QIAGEN, Promega Corporation, Gentronix, BioIVT, and MB Research Laboratories.

Lucintel forecasts that consumables will remain the largest product and service segment over the forecast period due to increasing demand for high-quality reagents and the repeated use of media and reagents in in-vitro toxicology studies.

Within this market, pharmaceuticals & biopharmaceuticals will remain the largest end use industry segment over the forecast period due to high usage of toxicology testing in pharmacokinetic analysis of novel and generic modified pharmaceutical products and presence of several drug candidates in the pipeline.

Asia Pacific will remain the largest region over the forecast period due to the emergence of CROs for outsourcing toxicology-related research projects, opposition to animal testing resulting in the use of alternate methods, increasing pharmaceutical drug pipeline, and growing consumer awareness of product safety in the region.

### Features of the Global In-vitro Toxicology Testing Market

**Market Size Estimates:** Global in-vitro toxicology testing market size estimation in terms of value (\$M) shipment.

**Trend and Forecast Analysis:** Market trends (2014-2019) and forecast (2020-2025) by various segments.

**Segmentation Analysis:** Global in-vitro toxicology testing market size by various segments, such as product & service, method, toxicity endpoint & test, industry, and technology, in terms of value.

**Regional Analysis:** Global in-vitro toxicology testing market breakdown by the North America, Europe, Asia Pacific, and Rest of the World.

**Growth Opportunities:** Analysis of growth opportunities in different product & service, method, toxicity endpoint & test, industry, technology, and region for the global in-vitro toxicology testing market.

**Strategic Analysis:** This includes M&A, new product development, and competitive landscape of the global in-vitro toxicology testing market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

This report answers following key questions

Q.1 What are some of the most promising potential, high-growth opportunities for the global in-vitro toxicology testing market by product & service (consumables, assays (bacterial toxicity assays, enzyme toxicity assays, cell-based elisa & western blots, receptor-binding assays, tissue culture assays, and other assays), equipment, software, and services), method (cellular assays, biochemical assays, in silico models, and ex vivo models), toxicity endpoint & test (ADME, skin irritation, corrosion, & sensitization, genotoxicity testing, cytotoxicity testing, ocular toxicity, organ toxicity, phototoxicity testing, dermal toxicity, and other toxicity endpoints & tests), end use industry (pharmaceuticals & biopharmaceuticals, cosmetic & household products, food, and chemicals), technology (cell culture technologies, high-throughput technologies, and toxicogenomics), and region (North America, Europe, Asia Pacific, and Rest of the World)?

Q.2 Which segments will grow at a faster pace and why?

Q.3 Which region will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the global in-vitro toxicology testing market?

Q.5 What are the business risks and threats to the global in-vitro toxicology testing market?

Q.6 What are the emerging trends in this in-vitro toxicology testing market and the reasons behind them?

Q.7 What are some changing demands of customers in this in-vitro toxicology testing market?

Q.8 What are the new developments in this in-vitro toxicology testing market? Which companies are leading these developments?

Q.9 Who are the major players in this in-vitro toxicology testing market? What strategic initiatives are being implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in this in-vitro toxicology testing market, and how big of a threat do they pose for loss of market share via material or product substitution?

Q.11 What M&A activities did take place in the last five years in the global in-vitro toxicology testing market?

Report Scope

Key Features Description

Base Year for Estimation 2019

Trend Period

(Actual Estimates) 2014-2019

Forecast Period 2020-2025

Pages More than 150

Market Representation / Units Revenue in US \$ Million

Report Coverage Market Trends & Forecasts, Competitor Analysis, New Product Development, Company Expansion, Merger, Acquisitions & Joint Venture, and Company Profiling

Market Segments Product & Service (Consumables, Assays (Bacterial Toxicity Assays, Enzyme Toxicity Assays, Cell-Based Elisa & Western Blots, Receptor-Binding Assays, Tissue Culture Assays, and Other Assays), Equipment, Software, and Services, Method (Cellular Assays, Biochemical Assays, In Silico Models, and Ex Vivo Models), Toxicity Endpoint & Test (ADME, Skin Irritation, Corrosion, & Sensitization, Genotoxicity Testing, Cytotoxicity Testing, Ocular Toxicity, Organ Toxicity, Phototoxicity Testing, Dermal Toxicity, and Other Toxicity Endpoints & Tests), End Use Industry (Pharmaceuticals & Biopharmaceuticals, Cosmetic & Household Products, Food, and Chemicals), and Technology (Cell Culture Technologies, High-Throughput Technologies, and Toxicogenomics)

Regional Scope North America (USA, Mexico, and Canada), Europe (United Kingdom, Spain, Germany, and France), Asia (China, India, and Japan), and ROW (Brazil)

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