

In-vitro Toxicology Testing Market Size, Share & Trends Analysis Report By Technology (Cell Culture, High Throughput), By Method, By Application, By End-user, By Region, And Segment Forecasts, 2023 - 2030

<https://marketpublishers.com/r/I1B2965D312EN.html>

Date: January 2023

Pages: 180

Price: US\$ 5,950.00 (Single User License)

ID: I1B2965D312EN

Abstracts

This report can be delivered to the clients within 2 Business Days

In-vitro Toxicology Testing Market Growth & Trends

The global in-vitro toxicology testing market size is projected to reach USD 64.7 billion by 2030, at a CAGR of 11.10% over the forecast period, according to a new report by Grand View Research, Inc. Over the years, acceptance of in-vitro toxicology testing methods by regulatory authorities is increasing at a faster pace & thus validation of these tests methods opposed to conventional testing is even rising. Also, development of technologies to substitute animal use for toxicology tests has fueled the usage of in-vitro models such as in-silico simulation, assays, 3D cell cultures and many more, thereby boosting market growth.

Screening of a new drug candidate involves the use of animals for preclinical studies which is very tedious and expensive. However, in recent times, several jurisdictions are promoting ban for animal-based chemical testing. For example, for several years, the EU has been promoting the reduction, replacement, and refinement of animal tests. The Regulation on cosmetic products (1223/2009), REACH (2007/2006), the Directive on the protection of animals used for scientific purposes (2010/63), and Classification, Labelling and Packaging (CLP) (1272/2008) are some examples of EU legislation that are engaged in strongly encouraging the replacement of animal toxicology testing. Furthermore, in June 2018, the Cruelty-Free Cosmetics Act was passed in California to ban the selling of animal-tested products after 2020.

Many governments and private organization are taking actions to minimize conventional testing models, providing funds to support & develop in-vitro toxicology assays and form conducive government policies. Thus, increase in government initiatives that are focused on banning animal testing can be attributed to the rise in adoption of in-vitro toxicological models and creates many opportunities within the market. For instance, approximately USD 3.2 million were contributed by People for the Ethical Treatment of Animals (PETA) and its international associates to promote the development of non-animal test methods.

The advancements in computational and screening methods such as biological, high throughput, and chemical coupled with the vast number of public databases for toxicity analysis has expanded largely. This has allowed researchers to access information for drug discovery studies, toxicology profiling, and drug development programs. For instance, the MetaTox HS project by Agilent Technologies, Inc. brings advanced solutions for toxicity assays & high sensitivity metabolism during drug development procedures.

In-vitro Toxicology Testing Market Report Highlights

Based on technology, the cell culture segment held the largest revenue share in 2022, owing to the increased demand for accurate & cost-effective analysis. Moreover, the adoption of 3D cell culture is also propelling the growth of this segment

On basis of application, the system toxicology segment dominated the market for in-vitro toxicology testing in 2022. Generation of toxicology data points such as minimum dose, tolerated dose, risk assessment and many more will contribute to the revenue generation

The cellular assays segment accounted for the highest revenue share in 2022, owing to the developments in cell-based imaging assays, high throughput screening & label-free detection

The pharmaceutical industry as an end-user contributed the largest revenue to the market in 2022. The importance of toxicology testing during drug development stages coupled with high number of product pipeline attributes to the revenue generation

North America accounted for the highest revenue share in 2022 due to prevalence of animal testing bans & supportive government initiatives for toxicology research. In addition, aggregation of players in this regions to provide in-vitro testing product and services will continue the revenue generation during the forecast

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Research Methodology
- 1.2 Research Assumptions
 - 1.2.1 Estimates And Forecast Timeline
- 1.3 Information Procurement
 - 1.3.1 Purchased Database
 - 1.3.2 Gvr's Internal Database
 - 1.3.3 Secondary Sources
 - 1.3.4 Primary Research
- 1.4 Information Or Data Analysis
 - 1.4.1 Data Analysis Models
- 1.5 Market Formulation & Validation

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market Snapshot
- 2.2 Segment Snapshot
- 2.3 Competitive Landscape Snapshot

CHAPTER 3 MARKET VARIABLES, TRENDS, & SCOPE

- 3.1 Market Lineage Outlook
- 3.2 In-vitro Toxicology Testing Market: Cost Structure Analysis
- 3.3 Market Trends & Outlook
- 3.4 Market Dynamics
 - 3.4.1 Market Driver Analysis
 - 3.4.1.1 Rise In Government Funding For Toxicology Research
 - 3.4.1.2 Opposition To Animal Testing
 - 3.4.1.3 Ongoing Developments To Advanct Toxicology Research
 - 3.4.2 Market Restraint Analysis
 - 3.4.2.1 Lack of in-vitro models
 - 3.4.2.2 Issues pertaining to standarization of in-vitro studies
- 3.5 Penetration & Growth Prospect Mapping, 2022
- 3.6 In-vitro Toxicology Testing Market - Porter's Analysis
- 3.7 In-vitro Toxicology Testing Market - SWOT Analysis
- 3.8 COVID-19 Impact Analysis

CHAPTER 4 END-USER BUSINESS ANALYSIS

4.1 In-vitro Toxicology Testing Market: End-user Movement Analysis

4.2 Pharmaceutical Industry

4.2.1 In-Vitro Toxicology Market For Pharmaceutical Industry, 2018 - 2030 (USD Million)

4.3 Cosmetics & Household Products

4.3.1 In-Vitro Toxicology Market For Cosmetics And Household Products, 2018 - 2030 (USD Million)

4.4 Academic Institutes & Research Laboratories

4.4.1 In-Vitro Toxicology Market For Academic Institutes & Research Laboratories, 2018 - 2030 (USD Million)

4.5 Diagnostics

4.5.1 In-Vitro Toxicology Market For Diagnostics, 2018 - 2030 (USD Million)

4.6 Chemicals Industry

4.6.1 In-Vitro Toxicology Market For Chemicals Industry, 2018 - 2030 (USD Million)

4.7 Food Industry

4.7.1 In-Vitro Toxicology Market For Food Industry, 2018 - 2030 (USD Million)

CHAPTER 5 TECHNOLOGY BUSINESS ANALYSIS

5.1 Global In Vitro Toxicology Testing Market: Technology Movement Analysis

5.2 Cell Culture Technology

5.2.1 In-Vitro Toxicology Market For Cell Culture Technology, 2018 - 2030 (USD Million)

5.3 High-Throughput Technology (Htt)

5.3.1 In-Vitro Toxicology Market For Htt, 2018 - 2030 (USD Million)

5.4 Molecular Imaging

5.4.1 In-Vitro Toxicology Market For Molecular Imaging, 2018 - 2030 (USD Million)

5.5 Omics Technology

5.5.1 In-Vitro Toxicology Market For Omics Technology, 2018 - 2030 (USD Million)

CHAPTER 6 APPLICATION BUSINESS ANALYSIS

6.1 In-Vitro Toxicology Testing Market: Application Movement Analysis

6.2 Systemic Toxicology

6.2.1 In-Vitro Toxicology Market For Systemic Toxicology, 2018 - 2030 (USD Million)

6.3 Dermal Toxicity

- 6.3.1 In-Vitro Toxicology Market For Dermal Toxicity, 2018 - 2030 (USD Million)
- 6.4 Endocrine Disruption
 - 6.4.1 In-Vitro Toxicology Market For Endocrine Disruption, 2018 - 2030 (USD Million)
- 6.5 Ocular Toxicity
 - 6.5.1 In-Vitro Toxicology Market For Ocular Toxicity, 2018 - 2030 (USD Million)
- 6.6 Other Applications
 - 6.6.1 In-Vitro Toxicology Market For Other Applications, 2018 - 2030 (USD Million)

CHAPTER 7 METHOD BUSINESS ANALYSIS

- 7.1 Global In Vitro Toxicology Testing Market: Method Movement Analysis
- 7.2 Cellular Assays
 - 7.2.1 In-Vitro Toxicology Market For Cellular Assay, 2018 - 2030 (USD Million)
 - 7.2.2 Live Cells
 - 7.2.2.1 In-vitro toxicology market for live cells, 2018 - 2030 (USD Million)
 - 7.2.2.2 High throughput / high content screening
 - 7.2.2.2.1 High throughput / high content screening market for live cell-based in-vitro toxicology testing, 2018 - 2030 (USD Million)
 - 7.2.2.3 Molecular imaging
 - 7.2.2.3.1 Molecular imaging market for live cell-based in-vitro toxicology testing, 2018 - 2030 (USD Million)
 - 7.2.2.3.2 Confocal microscopy
 - 7.2.2.3.2.1 Confocal microscopy market for live cell-based in-vitro toxicology testing, 2018 - 2030 (USD Million)
 - 7.2.2.3.3 Other molecular imaging technique
 - 7.2.2.3.3.1 Other molecular imaging technique market for live cell-based in-vitro toxicology testing, 2018 - 2030 (USD Million)
 - 7.2.2.4 Others
 - 7.2.2.4.1 Live cell-based in-vitro toxicology testing market for other technologies, 2018 - 2030 (USD Million)
 - 7.2.3 Fixed Cells
 - 7.2.3.1 Fixed cell-based in-vitro toxicology testing market, 2018 - 2030 (USD Million)
- 7.3 Biochemical Assays
 - 7.3.1 Biochemical Assays Market For In Vitro Toxicology Testing, 2018 - 2030 (USD Million)
- 7.4 In Silico
 - 7.4.1 In Silico Assays Market For In Vitro Toxicology Testing, 2018 - 2030 (USD Million)
- 7.5 Ex Vivo

7.5.1 Ex Vivo Assays Market For In Vitro Toxicology Testing, 2018 - 2030 (USD Million)

CHAPTER 8 IN-VITRO TOXICOLOGY TESTING MARKET: REGIONAL BUSINESS ANALYSIS

8.1 In-Vitro Toxicology Testing Market: Regional Movement Analysis

8.2 North America

8.2.1 Swot Analysis

8.2.1.1 North America In-Vitro Toxicology Testing Market Estimates And Forecast, 2018 - 2030 (USD Million)

8.2.2 U.S.

8.2.2.1 Key Country Dynamics

8.2.2.2 Competitive Scenario

8.2.2.3 U.S. In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.2.3 Canada

8.2.3.1 Key Country Dynamics

8.2.3.2 Competitive Scenario

8.2.3.3 Canada In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.3 Europe

8.3.1 Swot Analysis

8.3.1.1 Europe In-Vitro Toxicology Testing Market Estimates And Forecast, 2018 - 2030 (USD Million)

8.3.2 Germany

8.3.2.1 Key Country Dynamics

8.3.2.2 Competitive Scenario

8.3.2.3 Germany In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.3.3 U.K.

8.3.3.1 Key Country Dynamics

8.3.3.2 Competitive Scenario

8.3.3.3 U.K. In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.3.4 France

8.3.4.1 Key Country Dynamics

8.3.4.2 Competitive Scenario

8.3.4.3 France In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.3.5 Italy

8.3.5.1 Key Country Dynamics

8.3.5.2 Competitive Scenario

8.3.5.3 Italy In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.3.6 Spain

8.3.6.1 Key Country Dynamics

8.3.6.2 Competitive Scenario

8.3.6.3 Spain In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.3.7 Denmark

8.3.7.1 Key Country Dynamics

8.3.7.2 Competitive Scenario

8.3.7.3 Denmark In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.3.8 Sweden

8.3.8.1 Key Country Dynamics

8.3.8.2 Competitive Scenario

8.3.8.3 Sweden In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.3.9 Norway

8.3.9.1 Key Country Dynamics

8.3.9.2 Competitive Scenario

8.3.9.3 Norway In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.4 Asia Pacific

8.4.1 Swot Analysis

8.4.1.1 Asia Pacific In-Vitro Toxicology Testing Market Estimates And Forecast, 2018 - 2030 (USD Million)

8.4.2 Japan

8.4.2.1 Key Country Dynamics

8.4.2.2 Competitive Scenario

8.4.2.3 Japan In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.4.3 China

8.4.3.1 Key Country Dynamics

8.4.3.2 Competitive Scenario

8.4.3.3 China In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.4.4 India

8.4.4.1 Key Country Dynamics

8.4.4.2 Competitive Scenario

8.4.4.3 India In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.4.5 Australia

8.4.5.1 Key Country Dynamics

8.4.5.2 Competitive Scenario

8.4.5.3 Australia In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.4.6 Thailand

8.4.6.1 Key Country Dynamics

8.4.6.2 Competitive Scenario

8.4.6.3 Thailand In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.4.7 South Korea

8.4.7.1 Key Country Dynamics

8.4.7.2 Competitive Scenario

8.4.7.3 South Korea In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.5 Latin America

8.5.1 Swot Analysis

8.5.1.1 Latin America In-Vitro Toxicology Testing Market Estimates And Forecast, 2018 - 2030 (USD Million)

8.5.2 Brazil

8.5.2.1 Key Country Dynamics

8.5.2.2 Competitive Scenario

8.5.2.3 Brazil In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.5.3 Mexico

8.5.3.1 Key Country Dynamics

8.5.3.2 Competitive Scenario

8.5.3.3 Mexico In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.5.4 Argentina

8.5.4.1 Key Country Dynamics

8.5.4.2 Competitive Scenario

8.5.4.3 Argentina In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.6 Middle East & Africa (MEA)

8.6.1 Swot Analysis

8.6.1.1 MEA In-Vitro Toxicology Testing Market Estimates And Forecast, 2018 - 2030 (USD Million)

8.6.2 South Africa

8.6.2.1 Key Country Dynamics

8.6.2.2 Competitive Scenario

8.6.2.3 South Africa In-Vitro Toxicology Testing Market, 2018 - 2030 (USD Million)

8.6.3 Saudi Arabia

8.6.3.1 Key Country Dynamics

8.6.3.2 Competitive Scenario

8.6.3.3 Saudi Arabia In-Vitro Toxicology Testing Market, 2018-2030 (USD Million)

8.6.4 UAE

8.6.4.1 Key Country Dynamics

8.6.4.2 Competitive Scenario

8.6.4.3 UAE In-Vitro Toxicology Testing Market, 2018-2030 (USD Million)

8.6.5 Kuwait

8.6.5.1 Key Country Dynamics

8.6.5.2 Competitive Scenario

8.6.5.3 Kuwait In-Vitro Toxicology Testing Market, 2018-2030 (USD Million)

CHAPTER 9 COMPETITIVE LANDSCAPE

9.1 Participant's Overview

9.1.1 Charles River Laboratories International, Inc.

9.1.2 Thermo Fisher Scientific, Inc.

9.1.3 Abbott Laboratories

9.1.4 Sgs S.A.

9.1.5 Laboratory Corporation Of America Holdings

9.1.6 Merck Kgaa

9.1.7 Eurofins Scientific

9.1.8 Evotec S.E.

9.1.9 Agilent Technolgies, Inc.

9.1.10 Quest Diagnostics Incorporated

9.1.11 Danaher Corporation

9.1.12 Bio-Rad Laboratories, Inc.

9.1.13 Catalent, Inc.

9.1.14 Bioivt

9.1.15 Gentronix

9.2 Financial Performance

9.3 Participant Categorization

9.3.1 Market Leaders

9.3.1.1 In-Vitro Toxicology Testing Market Share Analysis, 2022

9.3.2 Strategy Mapping

9.3.2.1 Expansion

9.3.2.2 Acquisition

9.3.2.3 Collaborations

9.3.2.4 Product/service launch

9.3.2.5 Partnerships

9.3.2.6 Others

List Of Tables

LIST OF TABLES

Table 1 List of secondary sources

Table 2 List of abbreviations

Table 3 Global in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 4 Global in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 5 Global in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 6 Global in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 7 Global in-vitro toxicology testing market, by region, 2018 - 2030 (USD Million)

Table 8 North America in-vitro toxicology testing market, by country, 2018 - 2030 (USD Million)

Table 9 North America in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 10 North America in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 11 North America in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 12 North America in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 13 U.S. in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 14 U.S. in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 15 U.S. in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 16 U.S. in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 17 Canada in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 18 Canada in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 19 Canada in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 20 Canada in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 21 Europe in-vitro toxicology testing market, by country, 2018 - 2030 (USD Million)

Table 22 Europe in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 23 Europe in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 24 Europe in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 25 Europe in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 26 Germany in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 27 Germany in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 28 Germany in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 29 Germany in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 30 U.K. in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 31 U.K. in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 32 U.K. in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 33 U.K. in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 34 France in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 35 France in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 36 France in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 37 France in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 38 Italy in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 39 Italy in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 40 Italy in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 41 Italy in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 42 Spain in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 43 Spain in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Million)

Table 44 Spain in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 45 Spain in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 46 Denmark in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 47 Denmark in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 48 Denmark in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 49 Denmark in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 50 Sweden in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 51 Sweden in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 52 Sweden in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 53 Sweden in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 54 Norway in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 55 Norway in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 56 Norway in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 57 Norway in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 58 Asia Pacific in-vitro toxicology testing market, by country, 2018 - 2030 (USD Million)

Table 59 Asia Pacific in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 60 Asia Pacific in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 61 Asia Pacific in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 62 Asia Pacific in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 63 Japan in-vitro toxicology testing market, by technology, 2018 - 2030 (USD

Million)

Table 64 Japan in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 65 Japan in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 66 Japan in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 67 China in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 68 China in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 69 China in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 70 China in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 71 India in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 72 India in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 73 India in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 74 India in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 75 Australia in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 76 Australia in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 77 Australia in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 78 Australia in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 79 Thailand in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 80 Thailand in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 81 Thailand in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 82 Thailand in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 83 South Korea in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 84 South Korea in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 85 South Korea in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 86 South Korea in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 87 Latin America in-vitro toxicology testing market, by country, 2018 - 2030 (USD Million)

Table 88 Latin America in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 89 Latin America in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 90 Latin America in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 91 Latin America in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 92 Brazil in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 93 Brazil in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 94 Brazil in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 95 Brazil in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 96 Mexico in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 97 Mexico in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 98 Mexico in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 99 Mexico in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 100 Argentina in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)

Table 101 Argentina in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)

Table 102 Argentina in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)

Table 103 Argentina in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

Table 104 Middle East & Africa in-vitro toxicology testing market, by country, 2018 - 2030 (USD Million)

- Table 105 Middle East & Africa in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)
- Table 106 Middle East & Africa in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)
- Table 107 Middle East & Africa in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)
- Table 108 Middle East & Africa in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)
- Table 109 South Africa in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)
- Table 110 South Africa in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)
- Table 111 South Africa in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)
- Table 112 South Africa in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)
- Table 113 Saudi Arabia in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)
- Table 114 Saudi Arabia in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)
- Table 115 Saudi Arabia in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)
- Table 116 Saudi Arabia in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)
- Table 117 UAE in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)
- Table 118 UAE in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)
- Table 119 UAE in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)
- Table 120 UAE in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)
- Table 121 Kuwait in-vitro toxicology testing market, by technology, 2018 - 2030 (USD Million)
- Table 122 Kuwait in-vitro toxicology testing market, by application, 2018 - 2030 (USD Million)
- Table 123 Kuwait in-vitro toxicology testing market, by method, 2018 - 2030 (USD Million)
- Table 124 Kuwait in-vitro toxicology testing market, by end-user, 2018 - 2030 (USD Million)

- Table 125 Participant's overview
- Table 126 Financial performance
- Table 127 Key companies undergoing expansions
- Table 128 Key companies undertaking acquisitions
- Table 129 Key companies undergoing collaborations
- Table 130 Key companies launching new products/services
- Table 131 Key companies undergoing partnerships
- Table 132 Key companies undertaking other strategies

List Of Figures

LIST OF FIGURES

- Figure 1 Market research process
- Figure 2 Data triangulation techniques
- Figure 3 Primary research pattern
- Figure 4 Market research approaches
- Figure 5 Value-chain-based sizing & forecasting
- Figure 6 QFD modeling for market share assessment
- Figure 7 Market formulation & validation
- Figure 8 Market summary, 2022 (USD Million)
- Figure 9 Market segmentation & scope
- Figure 10 Market driver impact
- Figure 11 Market restraint impact
- Figure 12 Penetration & growth prospect mapping
- Figure 13 Porter's analysis
- Figure 14 SWOT analysis
- Figure 15 In-vitro toxicology testing market: Technology outlook and key takeaways
- Figure 16 In-vitro toxicology testing market: Technology movement analysis
- Figure 17 Global cell culture technology market, 2018 - 2030 (USD Million)
- Figure 18 Global high throughput technology market, 2018 - 2030 (USD Million)
- Figure 19 Global molecular imaging market, 2018 - 2030 (USD Million)
- Figure 20 Global OMICS technology market, 2018 - 2030 (USD Million)
- Figure 21 In-vitro toxicology testing market: Application outlook and key takeaways
- Figure 22 In-vitro toxicology testing market: Application movement analysis
- Figure 23 Global systemic toxicology market, 2018 - 2030 (USD Million)
- Figure 24 Global dermal toxicity market, 2018 - 2030 (USD Million)
- Figure 25 Global endocrine disruption market, 2018 - 2030 (USD Million)
- Figure 26 Global ocular toxicity market, 2018 - 2030 (USD Million)
- Figure 27 Global other applications market, 2018 - 2030 (USD Million)
- Figure 28 In-vitro toxicology testing market: Method outlook and key takeaways
- Figure 29 In-vitro toxicology testing market: Method movement analysis
- Figure 30 Global cellular assay market, 2018 - 2030 (USD Million)
- Figure 31 Global live cells market, 2018 - 2030 (USD Million)
- Figure 32 Global high throughput/high content screening market, 2018 - 2030 (USD Million)
- Figure 33 Global molecular imaging market, 2018 - 2030 (USD Million)
- Figure 34 Global confocal microscopy market, 2018 - 2030 (USD Million)

Figure 35 Global other live cell based molecular imaging method market, 2018 - 2030 (USD Million)

Figure 36 Global other live cell based imaging technology market, 2018 - 2030 (USD Million)

Figure 37 Global fixed cells market, 2018 - 2030 (USD Million)

Figure 38 Global biochemical assay market, 2018 - 2030 (USD Million)

Figure 39 Global in-silico market, 2018 - 2030 (USD Million)

Figure 40 Global ex-vivo market, 2018 - 2030 (USD Million)

Figure 41 In-vitro toxicology testing market: End-user outlook and key takeaways

Figure 42 In-vitro toxicology testing market: End-user movement analysis

Figure 43 Global pharmaceutical industry market, 2018 - 2030 (USD Million)

Figure 44 Global cosmetics & household products market, 2018 - 2030 (USD Million)

Figure 45 Global academic institutes & research laboratories market, 2018 - 2030 (USD Million)

Figure 46 Global diagnostics market, 2018 - 2030 (USD Million)

Figure 47 Global chemicals industry market, 2018 - 2030 (USD Million)

Figure 48 Global food industry market, 2018 - 2030 (USD Million)

Figure 49 In-vitro toxicology testing market: Regional outlook and key takeaways

Figure 50 North America: SWOT Analysis

Figure 51 North America in-vitro toxicology testing market, 2018 - 2030 (USD Million)

Figure 52 US key country dynamics

Figure 53 US in-vitro toxicology testing market, 2018 - 2030 (USD Million)

Figure 54 Canada key country dynamics

Figure 55 Canada in-vitro toxicology testing market, 2018 - 2030 (USD Million)

Figure 56 Europe: SWOT Analysis

Figure 57 Europe in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 58 Germany key country dynamics

Figure 59 Germany in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 60 UK key country dynamics

Figure 61 UK in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 62 France key country dynamics

Figure 63 France in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 64 Italy key country dynamics

Figure 65 Italy in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 66 Spain key country dynamics

Figure 67 Spain in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 68 Denmark key country dynamics

Figure 69 Denmark in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 70 Sweden key country dynamics

Figure 71 Sweden in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 72 Norway key country dynamics

Figure 73 Norway in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 74 Asia Pacific: SWOT Analysis

Figure 75 Asia Pacific in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 76 Japan key country dynamics

Figure 77 Japan in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 78 China key country dynamics

Figure 79 China in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 80 India key country dynamics

Figure 81 India in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 82 Australia key country dynamics

Figure 83 Australia in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 84 Thailand key country dynamics

Figure 85 Thailand in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 86 South Korea key country dynamics

Figure 87 South Korea in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 88 Latin America: SWOT Analysis

Figure 89 Latin America in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 90 Brazil key country dynamics

Figure 91 Brazil in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 92 Mexico key country dynamics

Figure 93 Mexico in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 94 Argentina key country dynamics

Figure 95 Argentina in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 96 Middle East & Africa: SWOT Analysis

Figure 97 Middle East & Africa in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 98 South Africa key country dynamics

Figure 99 South Africa in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 100 Saudi Arabia key country dynamics

Figure 101 Saudi Arabia in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 102 UAE key country dynamics

Figure 103 UAE in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 104 Kuwait key country dynamics

Figure 105 Kuwait in-vitro toxicology testing market estimates and forecast, 2018 - 2030 (USD Million)

Figure 106 Market participant categorization

Figure 107 In-vitro toxicology testing market share analysis, 2022

Figure 108 Strategy framework

I would like to order

Product name: In-vitro Toxicology Testing Market Size, Share & Trends Analysis Report By Technology (Cell Culture, High Throughput), By Method, By Application, By End-user, By Region, And Segment Forecasts, 2023 - 2030

Product link: <https://marketpublishers.com/r/l1B2965D312EN.html>

Price: US\$ 5,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/l1B2965D312EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970