

Toxicology Services Global Market - Forecast To 2028

<https://marketpublishers.com/r/T88B046ED44EN.html>

Date: November 2021

Pages: 411

Price: US\$ 4,950.00 (Single User License)

ID: T88B046ED44EN

Abstracts

Toxicology is the study of adverse effects that occur in living organisms and its environment due to chemicals, physical or biological substances at ambient exposure levels. Toxicology testing regulations are already in place for most of the developed countries across industries such as chemicals, pesticides, consumer goods, medical products, and food additives. These toxicology tests are important for the approval of products and with the increased trend for outsourcing, toxicology studies are also being outsourced across the industries.

According to IQ4I analysis, the toxicology services global market is expected to grow at a mid single digit CAGR from 2021 to 2028 to reach \$17,043.0 million by 2028. The factors such as mandatory toxicology testing requirement for various industries like pharma, medical device, cosmetic, chemical and food for their product approvals or registration, increased trend of outsourcing, increase in pharma R&D expenditure are driving the toxicology services market. Whereas, the emergence of advanced technology likes 3D-model, ex-vivo, organ-on-a chip and in-silico tool, increasing in utilization of nano-materials and regulatory changes to enhance safety profiles of agents will provide immense growth opportunities for toxicology services market in future. However, increasing focus towards drug repurposing, lack of skilled personnel, high cost and long duration of the tests and stringent government regulations towards the animal studies are expected to hamper the market growth.

The market for toxicology services is segmented based on study methods, industry, end-points and geography. Based on the study methodologies, the market is segmented into In Vivo, In Vitro and In-Silico. Among the study methodologies, in-vitro toxicity services accounted for the highest revenue in 2021 and are expected grow at a mid single digit CAGR from 2021 to 2028. The In-vitro toxicology services market is further segmented in to Cellular & Biochemical assays, Ex Vivo and 3D-model and Organ-on-a-chips. Among these, Cellular & Biochemical assay segment is accounted for the largest

revenue in 2021 and is expected to grow at a mid single digit CAGR from 2021 to 2028. 3D-model and Organ-on-a-chips is expected to grow at a high single digit CAGR from 2021 to 2028 due to increasing adoption of 3D model and organ on a chip based assays in toxicology studies.

Based on the industry, toxicology services market is classified into Pharmaceutical, medical device, chemical, cosmetics and others. Among the industries, Pharmaceutical segment is accounted for the highest revenue in 2021 and is expected to grow at a mid single digit CAGR from 2021 to 2028. Medical devices are expected to grow at a high single digit CAGR from 2021 to 2028. Pharmaceutical segment is further sub-segmented into drug discovery and developmental toxicology. Among these, drug developmental toxicology is accounted for the highest revenue in 2021 and is expected to grow at a mid single digit CAGR from 2021 to 2028. Drug discovery toxicology is expected to grow at mid single digit CAGR from 2021 to 2028. The chemical segment is further segmented into industrial chemical and agrochemicals. Among these, industrial chemical is accounted for the highest revenue of in 2021 and is expected to grow at a mid single digit CAGR from 2021 to 2028. AgroChemical segment is expected to grow at a high single digit CAGR from 2021 to 2028. Other industries segment is further segmented into food, consumer goods, environment and others. Among these, environment segment is accounted for the highest revenue in 2021 and is expected to grow at a mid single digit CAGR from 2021 to 2028.

According to IQ4I analysis, the end-points market are categorized into acute toxicity, chronic toxicity, dermal toxicology, ocular toxicology, safety pharmacology, reproductive and developmental toxicology, genotoxicity, carcinogenicity, neurotoxicity, ecotoxicology and others. Among these, acute toxicology segment is accounted for the highest revenue of in 2021 and is expected to grow at a mid single digit CAGR from 2021 to 2028. Developmental & Reproductive toxicology is expected to grow at high single digit CAGR from 2021 to 2028

By geography, the toxicology services global market is segmented into North America (U.S. and Rest of North America), Europe (Germany, France, U.K. and Rest of Europe), Asia-Pacific (Japan, China, India, and Rest of APAC) and the Rest of the world (Brazil, Rest of Latin America and the Middle East & Africa). North America accounted for the largest revenue in 2021 and is expected to grow at a mid single digit CAGR from 2021 to 2028. The factors such as increasing R&D expenditure, mandatory toxicology studies required for new drug, chemical, food additive, agrochemical and chemical to enter into the market, increase in development of new drugs, increase in development of novel medical devices and increasing adoption of advanced technologies and novel in-vitro

and in-silico models to expand the services capabilities by the toxicity service providers are driving the toxicology services market in the region.

Asia-Pacific is expected to grow at a high single digit CAGR from 2021 to 2028 due to growing pharma and biopharma industries with development of innovative drugs into the market, mandatory regulatory toxicology studies needed for approval of new drugs, medical device, agrochemical into the market, increasing number of agrichemical registrations, increasing government investment towards the pharma and biopharm industries. Further, changing regulations to ensure further safety profiles of pesticides will boost the demand for toxicology services in the region future.

The toxicology services global market is competitive and all the players in this market are involved in adopting advanced technologies in toxicology studies to expand their service offerings and maintain their market shares.

The key players in the Toxicology services global market include Charles River Laboratories International (U.S.), CMIC Holdings Co., Ltd (Japan), Evotec SE (Germany), Eurofins Scientific S.E. (Luxemburg), Inotiv, Inc. (U.S.), North American Science Associates, LLC (U.S.), Laboratory Corporation of America Holdings (U.S.), ITR Laboratories Canada Inc. (Canada), Pharmaron Beijing Co. Ltd. (China), SGS SA (Switzerland) and Wuxi Apptec (China).

The report provides an in-depth market analysis of the above-mentioned segments across the following regions:

North America

U.S.

Rest of North America

Europe

Germany

U.K.

France

Rest of Europe

Asia-Pacific

China

Japan

India

Rest of APAC

Rest of the World (RoW)

Brazil

Rest of Latin America

Middle East and Others

Contents

1 EXECUTIVE SUMMARY

2 INTRODUCTION

2.1 KEY TAKEAWAYS

2.2 SCOPE OF THE REPORT

2.3 REPORT DESCRIPTION

2.4 MARKETS COVERED

2.5 STAKEHOLDERS

2.6 RESEARCH METHODOLOGY

2.6.1 MARKET SIZE ESTIMATION

2.6.2 MARKET BREAKDOWN AND DATA TRIANGULATION

2.6.3 SECONDARY SOURCES

2.6.4 KEY DATA POINTS FROM SECONDARY SOURCES

2.6.5 PRIMARY SOURCES

2.6.6 KEY DATA POINTS FROM PRIMARY SOURCES

2.6.7 ASSUMPTIONS

3 MARKET ANALYSIS

3.1 INTRODUCTION

3.2 MARKET SEGMENTATION

3.3 FACTORS INFLUENCING MARKET

3.3.1 DRIVERS AND OPPORTUNITIES

3.3.1.1 Increasing outsourcing trend

3.3.1.2 Increase in pharma R&D spending

3.3.1.3 Emergence in advance technologies

3.3.1.4 Increase in utilization of nano-materials

3.3.1.5 Lack of availability of toxicity data of agents and regulatory changes or action to enhance the safety use of agents (e.g., chemicals, food additives, drugs)

3.3.2 RESTRAINTS AND THREATS

3.3.2.1 Increase in drug repurposing

3.3.2.2 High cost and long duration of tests

3.3.2.3 Ethical Issues associated with toxicity testing

3.3.2.4 Compliance with stringent regulatory guidelines

3.4 REGULATORY AFFAIRS

3.4.1 INTRODUCTION

3.4.2 PHARMACEUTICALS

3.4.3 MEDICAL DEVICES

3.4.4 COSMETICS

3.4.5 INDUSTRIAL CHEMICAL AND AGRICULTURAL CHEMICAL AND FOOD

3.4.5.1 Chemical

3.4.5.2 Agro-Chemical

3.4.5.3 Food

3.5 MATRIX OF GLP CERTIFIED TEST FACILITIES IN INDIA

3.6 MARKET SHARE ANALYSIS BY MAJOR PLAYERS

3.6.1 TOXICOLOGY SERVICES GLOBAL MARKET SHARE ANALYSIS

4 TOXICOLOGY SERVICES GLOBAL MARKET, BY STUDY METHODS

4.1 INTRODUCTION

4.2 IN VIVO TOXICOLOGY

4.3 IN VITRO TOXICOLOGY

4.3.1 CELLULAR AND BIOCHEMICAL ASSAYS

4.3.2 EX VIVO

4.3.3 3D-MODEL AND ORGAN-ON-A-CHIP

4.4 IN SILICO TOXICOLOGY

5 TOXICOLOGY SERVICES GLOBAL MARKET, BY INDUSTRY

5.1 INTRODUCTION

5.2 PHARMACEUTICAL

5.2.1 DRUG DISCOVERY TOXICOLOGY

5.2.2 DRUG DEVELOPMENTAL TOXICOLOGY

5.3 MEDICAL DEVICES

5.4 COSMETICS

5.5 CHEMICAL

5.5.1 INDUSTRIAL CHEMICAL

5.5.2 AGROCHEMICAL

5.6 OTHERS

5.6.1 FOOD

5.6.2 CONSUMER GOODS

5.6.3 ENVIRONMENT

5.6.4 OTHERS

6 TOXICOLOGY SERVICES GLOBAL MARKET, BY ENDPOINTS

- 6.1 INTRODUCTION
- 6.2 ACUTE TOXICOLOGY
- 6.3 CHRONIC TOXICOLOGY
- 6.4 DERMAL TOXICOLOGY
- 6.5 NEUROTOXICOLOGY
- 6.6 OCULAR TOXICOLOGY
- 6.7 GENOTOXICOLOGY
- 6.8 DEVELOPMENTAL & REPRODUCTIVE TOXICOLOGY
- 6.9 CARCINOGENICITY
- 6.10 SAFETY PHARMACOLOGY
- 6.11 ECOTOXICOLOGY
- 6.12 OTHERS

7 REGIONAL ANALYSIS

- 7.1 INTRODUCTION
- 7.2 NORTH AMERICA
 - 7.2.1 U.S.
 - 7.2.2 REST OF NORTH AMERICA
- 7.3 EUROPE
 - 7.3.1 GERMANY
 - 7.3.2 FRANCE
 - 7.3.3 U.K.
 - 7.3.4 REST OF EUROPE
- 7.4 ASIA-PACIFIC
 - 7.4.1 JAPAN
 - 7.4.2 CHINA
 - 7.4.3 INDIA
 - 7.4.4 REST OF APAC
- 7.5 ROW
 - 7.5.1 BRAZIL
 - 7.5.2 REST OF LATIN AMERICA
 - 7.5.3 MIDDLE EAST & OTHERS

8 MAJOR COMPANIES

- 8.1 CHARLES RIVER LABORATORIES INTERNATIONAL, INC.
 - 8.1.1 OVERVIEW

- 8.1.2 FINANCIALS
- 8.1.3 SERVICE PORTFOLIO
- 8.1.4 KEY DEVELOPMENTS
- 8.1.5 BUSINESS STRATEGY
- 8.1.6 SWOT ANALYSIS
- 8.2 CMIC HOLDINGS CO., LTD.
 - 8.2.1 OVERVIEW
 - 8.2.2 FINANCIALS
 - 8.2.3 SERVICES PORTFOLIO
 - 8.2.4 KEY DEVELOPMENTS
 - 8.2.5 BUSINESS STRATEGY
 - 8.2.6 SWOT ANALYSIS
- 8.3 EVOTEC SE
 - 8.3.1 OVERVIEW
 - 8.3.2 FINANCIALS
 - 8.3.3 SERVICE PORTFOLIO
 - 8.3.4 KEY DEVELOPMENTS
 - 8.3.5 BUSINESS STRATEGY
 - 8.3.6 SWOT ANALYSIS
- 8.4 EUROFINS SCIENTIFIC S.E.
 - 8.4.1 OVERVIEW
 - 8.4.2 FINANCIALS
 - 8.4.3 SERVICE PORTFOLIO
 - 8.4.4 KEY DEVELOPMENTS
 - 8.4.5 BUSINESS STRATEGY
 - 8.4.6 SWOT ANALYSIS
- 8.5 INOTIV, INC.
 - 8.5.1 OVERVIEW
 - 8.5.2 FINANCIALS
 - 8.5.3 SERVICE PORTFOLIO
 - 8.5.4 KEY DEVELOPMENTS
 - 8.5.5 BUSINESS STRATEGY
 - 8.5.6 SWOT ANALYSIS
- 8.6 ITR LABORATORIES CANADA INC.
 - 8.6.1 OVERVIEW
 - 8.6.2 FINANCIALS
 - 8.6.3 SERVICE PORTFOLIO
 - 8.6.4 KEY DEVELOPMENTS
 - 8.6.5 BUSINESS STRATEGY

- 8.6.6 SWOT ANALYSIS
- 8.7 LABORATORY CORPORATION OF AMERICA HOLDINGS
 - 8.7.1 OVERVIEW
 - 8.7.2 FINANCIALS
 - 8.7.3 SERVICE PORTFOLIO
 - 8.7.4 KEY DEVELOPMENTS
 - 8.7.5 BUSINESS STRATEGY
 - 8.7.6 SWOT ANALYSIS
- 8.8 NORTH AMERICAN SCIENCE ASSOCIATES, LLC
 - 8.8.1 OVERVIEW
 - 8.8.2 FINANCIALS
 - 8.8.3 SERVICE PORTFOLIO
 - 8.8.4 KEY DEVELOPMENTS
 - 8.8.5 BUSINESS STRATEGY
 - 8.8.6 SWOT ANALYSIS
- 8.9 PHARMARON BEIJING CO., LTD.
 - 8.9.1 OVERVIEW
 - 8.9.2 FINANCIALS
 - 8.9.3 SERVICE PORTFOLIO
 - 8.9.4 KEY DEVELOPMENTS
 - 8.9.5 BUSINESS STRATEGY
 - 8.9.6 SWOT ANALYSIS
- 8.10 SGS SA
 - 8.10.1 OVERVIEW
 - 8.10.2 FINANCIALS
 - 8.10.3 SERVICE PORTFOLIO
 - 8.10.4 KEY DEVELOPMENTS
 - 8.10.5 BUSINESS STRATEGY
 - 8.10.6 SWOT ANALYSIS
- 8.11 WUXI APPTEC
 - 8.11.1 OVERVIEW
 - 8.11.2 FINANCIALS
 - 8.11.3 SERVICE PORTFOLIO
 - 8.11.4 KEY DEVELOPMENTS
 - 8.11.5 BUSINESS STRATEGY
 - 8.11.6 SWOT ANALYSIS

List Of Tables

LIST OF TABLES

TABLE 1 TOXICOLOGY SERVICES GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 2 TOXICOLOGY SERVICES MATRIX, BASED ON INDUSTRY

TABLE 3 TOXICOLOGY SERVICES MATRIX, BASED ON END-POINTS

TABLE 4 TOXICOLOGY SERVICES GLOBAL MARKET REVENUE, BY METHODS, (2020-2028) (\$MN)

TABLE 5 IN VIVO TOXICOLOGY SERVICES GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 6 IN VITRO TOXICOLOGY SERVICES GLOBAL MARKET REVENUE, BY TYPE, (2020-2028) (\$MN)

TABLE 7 IN VITRO TOXICOLOGY SERVICES GLOBAL MARKET REVENUE, BY REGION, (2020 -2028) (\$MN)

TABLE 8 CELLULAR AND BIOCHEMICAL ASSAYS GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 9 EX VIVO GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 10 3D-MODEL AND ORGAN-ON-A-CHIP GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 11 IN SILICO TOXICOLOGY GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 12 TOXICOLOGY SERVICES GLOBAL MARKET REVENUE, BY INDUSTRY, (2020-2028) (\$MN)

TABLE 13 PHARMACEUTICAL INDUSTRY GLOBAL MARKET REVENUE, BY TYPE, (2020-2028) (\$MN)

TABLE 14 PHARMACEUTICAL INDUSTRY GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 15 DRUG DISCOVERY TOXICOLOGY GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 16 DRUG DEVELOPMENTAL TOXICOLOGY GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 17 MEDICAL DEVICE INDUSTRY GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 18 COSMETIC GROUPS/CLASSES

TABLE 19 COSMETIC INDUSTRY GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 20 CHEMICAL INDUSTRY GLOBAL MARKET REVENUE, BY TYPE,

(2020-2028) (\$MN)

TABLE 21 CHEMICAL INDUSTRY GLOBAL MARKET REVENUE, BY REGION,
(2020-2028) (\$MN)

TABLE 22 INDUSTRIAL CHEMICAL GLOBAL MARKET REVENUE, BY REGION,
(2020-2028) (\$MN)

TABLE 23 TESTS REQUIRED BY THE EPA FOR NEW PESTICIDE CHEMICAL

TABLE 24 ESTIMATED COST OF TOXICITY STUDIES FOR PESTICIDE
REGISTRATION

TABLE 25 AGROCHEMICAL GLOBAL MARKET REVENUE, BY REGION, (2020-2028)
(\$MN)

TABLE 26 OTHER INDUSTRY GLOBAL MARKET REVENUE, BY TYPE, (2020-2028)
(\$MN)

TABLE 27 OTHER INDUSTRY GLOBAL MARKET REVENUE, BY REGION,
(2020-2028) (\$MN)

TABLE 28 FOOD INDUSTRY GLOBAL MARKET REVENUE, BY REGION,
(2020-2028) (\$MN)

TABLE 29 CONSUMER GOODS GLOBAL MARKET REVENUE, BY REGION,
(2020-2028) (\$MN)

TABLE 30 ENVIRONMENTAL INDUSTRY GLOBAL MARKET REVENUE, BY
REGION, (2020-2028) (\$MN)

TABLE 31 OTHERS GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 32 TOXICOLOGY SERVICES GLOBAL MARKET REVENUE, BY ENDPOINTS,
(2020-2028) (\$MN)

TABLE 33 ACUTE TOXICOLOGY GLOBAL MARKET REVENUE, BY REGION,
(2020-2028) (\$MN)

TABLE 34 CHRONIC TOXICOLOGY GLOBAL MARKET REVENUE, BY REGION,
(2020-2028) (\$MN)

TABLE 35 DERMAL TOXICOLOGY GLOBAL MARKET REVENUE, BY REGION,
(2020-2028) (\$MN)

TABLE 36 NEUROTOXICOLOGY GLOBAL MARKET REVENUE, BY REGION,
(2020-2028) (\$MN)

TABLE 37 OCULAR TOXICOLOGY GLOBAL MARKET REVENUE, BY REGION,
(2020-2028) (\$MN)

TABLE 38 GENOTOXICOLOGY GLOBAL MARKET REVENUE, BY REGION,
(2020-2028) (\$MN)

TABLE 39 DEVELOPMENTAL & REPRODUCTIVE TOXICOLOGY GLOBAL MARKET
REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 40 CARCINOGENICITY GLOBAL MARKET REVENUE, BY REGION,
(2020-2028) (\$MN)

TABLE 41 SAFETY PHARMACOLOGY GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 42 ECOTOXICOLOGY GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 43 OTHER TOXICOLOGY GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 44 TOXICOLOGY SERVICES GLOBAL MARKET REVENUE, BY REGION, (2020-2028) (\$MN)

TABLE 45 NORTH AMERICA TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS, (2020-2028) (\$MN)

TABLE 46 NORTH AMERICA IN VITRO TOXICOLOGY SERVICES MARKET REVENUE, BY TYPE, (2020-2028) (\$MN)

TABLE 47 NORTH AMERICA TOXICOLOGY SERVICE MARKET REVENUE, BY INDUSTRY, (2020-2028) (\$MN)

TABLE 48 NORTH AMERICA PHARMACEUTICAL INDUSTRY MARKET REVENUE, BY TYPE, (2020-2028) (\$MN)

TABLE 49 NORTH AMERICA CHEMICAL INDUSTRY MARKET REVENUE, BY TYPE, (2020-2028) (\$MN)

TABLE 50 NORTH AMERICA OTHER INDUSTRY MARKET REVENUE, BY TYPE, (2020-2028) (\$MN)

TABLE 51 NORTH AMERICA TOXICOLOGY SERVICE MARKET REVENUE, BY ENDPOINTS, (2020-2028) (\$MN)

TABLE 52 NORTH AMERICA TOXICOLOGY SERVICES MARKET REVENUE, BY COUNTRY (2020-2028) (\$MN)

TABLE 53 EUROPE TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS, (2020-2028) (\$MN)

TABLE 54 EUROPE IN VITRO TOXICOLOGY SERVICES MARKET REVENUE, BY TYPE, (2020-2028) (\$MN)

TABLE 55 EUROPE TOXICOLOGY SERVICE MARKET REVENUE, BY INDUSTRY, (2020-2028) (\$MN)

TABLE 56 EUROPE PHARMACEUTICAL INDUSTRY MARKET REVENUE, BY TYPE, (2020-2028) (\$MN)

TABLE 57 EUROPE CHEMICAL INDUSTRY MARKET REVENUE, BY TYPE, (2020-2028) (\$MN)

TABLE 58 EUROPE OTHER INDUSTRY MARKET REVENUE, BY TYPE, (2020-2028) (\$MN)

TABLE 59 EUROPE TOXICOLOGY SERVICE MARKET REVENUE, BY ENDPOINTS, (2020-2028) (\$MN)

TABLE 60 EUROPE TOXICOLOGY SERVICES MARKET REVENUE, BY COUNTRY,

(2020-2028) (\$MN)

TABLE 61 APAC TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS,
(2020-2028) (\$MN)

TABLE 62 APAC IN VITRO TOXICOLOGY SERVICES MARKET REVENUE, BY
TYPE, (2020-2028) (\$MN)

TABLE 63 APAC TOXICOLOGY SERVICE MARKET REVENUE, BY INDUSTRY,
(2020-2028) (\$MN)

TABLE 64 APAC PHARMACEUTICAL INDUSTRY MARKET REVENUE, BY TYPE,
(2020-2028) (\$MN)

TABLE 65 APAC CHEMICAL INDUSTRY MARKET REVENUE, BY TYPE, (2020-2028)
(\$MN)

TABLE 66 APAC OTHER INDUSTRY MARKET REVENUE, BY TYPE, (2020-2028)
(\$MN)

TABLE 67 APAC TOXICOLOGY SERVICE MARKET REVENUE, BY ENDPOINTS,
(2020-2028) (\$MN)

TABLE 68 ASIA-PACIFIC TOXICOLOGY SERVICES MARKET REVENUE, BY
COUNTRY, (2020-2028) (\$MN)

TABLE 69 ROW TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS,
(2020-2028) (\$MN)

TABLE 70 ROW IN VITRO TOXICOLOGY SERVICES MARKET REVENUE, BY TYPE,
(2020-2028) (\$MN)

TABLE 71 ROW TOXICOLOGY SERVICE MARKET REVENUE, BY INDUSTRY,
(2020-2028) (\$MN)

TABLE 72 ROW PHARMACEUTICAL INDUSTRY MARKET REVENUE, BY TYPE,
(2020-2028) (\$MN)

TABLE 73 ROW CHEMICAL INDUSTRY MARKET REVENUE, BY TYPE, (2020-2028)
(\$MN)

TABLE 74 ROW OTHER INDUSTRY MARKET REVENUE, BY TYPE, (2020-2028)
(\$MN)

TABLE 75 ROW TOXICOLOGY SERVICE MARKET REVENUE, BY ENDPOINTS,
(2020-2028) (\$MN)

TABLE 76 ROW TOXICOLOGY SERVICES MARKET REVENUE, BY COUNTRY,
(2020-2028) (\$MN)

TABLE 77 CHARLES RIVER LABORATORIES : TOTAL REVENUE AND R&D
EXPENSES, (2019-2021) (Q2) (\$MN)

TABLE 78 CHARLES RIVER LABORATORIES : TOTAL REVENUE, BY SEGMENTS,
(2019-2021) (Q2) (\$MN)

TABLE 79 CHARLES RIVER LABORATORIES : TOTAL REVENUE, BY
GEOGRAPHY, (2019-2021) (Q2) (\$MN)

TABLE 80 CMIC HOLDINGS CO., LTD: TOTAL REVENUE AND R&D EXPENSES, (2019-2021) (Q3) (\$MN)

TABLE 81 CMIC HOLDINGS CO., LTD: TOTAL REVENUE, BY SEGMENTS, (2019-2021) (Q3) (\$MN)

TABLE 82 EVOTEC SE: TOTAL REVENUE AND R&D EXPENSES, (2019-2021)(Q2) (\$MN)

TABLE 83 EVOTEC SE: TOTAL REVENUE, BY SEGMENTS, (2019-2021) (Q2) (\$MN)

TABLE 84 EVOTEC SE: TOTAL REVENUE, BY GEOGRAPHY, (2019-2021) (Q2) (\$MN)

TABLE 85 EUROFINS SCIENTIFIC S.E.: TOTAL REVENUE AND R&D EXPENSES, (2019-2021) (Q3) (\$MN)

TABLE 86 EUROFINS SCIENTIFIC S.E.: TOTAL REVENUE, BY SEGMENTS, (2019-2021) (Q3) (\$MN)

TABLE 87 INOTIV, INC.: TOTAL REVENUE AND R&D EXPENSES (2019-2021) (Q3) (\$MN)

TABLE 88 INOTIV, INC.: TOTAL REVENUE, BY SEGMENT, (2019-2021)(Q3) (\$MN)

TABLE 89 INOTIV, INC.: TOTAL REVENUE, BY REGION, (2019-2021) (Q3) (\$MN)

TABLE 90 LABORATORY CORPORATION OF AMERICA HOLDINGS: TOTAL REVENUE AND R&D EXPENSES, (2019-2021) (Q3) (\$MN)

TABLE 91 LABORATORY CORPORATION OF AMERICA HOLDINGS: TOTAL REVENUE, BY SEGMENT, (2019-2021) (Q3) (\$MN)

TABLE 92 LABORATORY CORPORATION OF AMERICA HOLDINGS: TOTAL REVENUE, BY GEOGRAPHY, (2019-2021) (Q3)(\$MN)

TABLE 93 PHARMARON BEIJING CO., LTD.: TOTAL REVENUE AND R&D EXPENSES, (2019-2020) (Q2) (\$MN)

TABLE 94 PHARMARON BEIJING CO., LTD.: TOTAL REVENUE, BY SEGMENTS, (2019-2021) (Q2) (\$MN)

TABLE 95 PHARMARON BEIJING CO., LTD.: TOTAL REVENUE, BY GEOGRAPHY, (2019-2021) (Q2) (\$MN)

TABLE 96 SGS SA : TOTAL REVENUE AND R&D EXPENSES, (2019-2021) (Q2) (\$MN)

TABLE 97 SGS SA: TOTAL REVENUE BY SEGMENT, (2019-2021) (Q2) (\$MN)

TABLE 98 WUXI APPTTEC : TOTAL REVENUE AND R&D EXPENSES, (2019-2021)(Q2) (\$MN)

TABLE 99 WUXI APPTTEC : TOTAL REVENUE, BY SEGMENTS, (2019-2021) (Q2) (\$MN)

TABLE 100 WUXI APPTTEC: TOTAL REVENUE, BY GEOGRAPHY, (2019-2021) (Q2) (\$MN)

List Of Figures

LIST OF FIGURES

FIGURE 1 TOXICOLOGY SERVICES GLOBAL MARKET REVENUE, BY REGION (2020-2028) (\$MN)

FIGURE 2 RESEARCH METHODOLOGY: TOXICOLOGY SERVICES GLOBAL MARKET

FIGURE 3 TOXICOLOGY SERVICES GLOBAL MARKET: TOP-DOWN AND BOTTOM-UP APPROACH

FIGURE 4 TOXICOLOGY SERVICES GLOBAL MARKET: FORECASTING MODEL

FIGURE 5 TOXICOLOGY SERVICES GLOBAL MARKET: MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 6 TOXICOLOGY SERVICES GLOBAL MARKET SEGMENTATION

FIGURE 7 MARKET DYNAMICS

FIGURE 8 GLP CERTIFIED TEST FACILITIES OF INDIAN CRO'S BY INDUSTRY

FIGURE 9 TOXICOLOGY SERVICES GLOBAL MARKET SHARE ANALYSIS, BY KEY PLAYERS, 2021 (%)

FIGURE 10 TOXICOLOGY SERVICES GLOBAL MARKET SHARE, BY METHODS (2021 V/S 2028) (%)

FIGURE 11 IN VITRO TOXICOLOGY SERVICES GLOBAL MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 12 IN VITRO TOXICOLOGY SERVICES GLOBAL MARKET SHARE, BY REGION, (2021 V/S 2028) (%)

FIGURE 13 CELLULAR AND BIOCHEMICAL ASSAYS GLOBAL MARKET SHARE, BY REGION, (2021 V/S 2028) (%)

FIGURE 14 EX VIVO TOXICOLOGY GLOBAL MARKET SHARE, BY REGION, (2021 V/S 2028) (%)

FIGURE 15 TOXICOLOGY SERVICES GLOBAL MARKET SHARE, BY INDUSTRY (2021 V/S 2028) (%)

FIGURE 16 TOXICOLOGY STUDIES IN DRUG DISCOVERY AND DEVELOPMENT

FIGURE 17 TOXICOLOGY STUDIES IN DRUG DISCOVERY AND DEVELOPMENT

FIGURE 18 TOXICOLOGY STUDIES IN DRUG DISCOVERY AND DEVELOPMENT

FIGURE 19 PHARMACEUTICAL INDUSTRY GLOBAL MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 20 DRUG DISCOVERY TOXICOLOGY GLOBAL MARKET SHARE, BY REGION, (2021 V/S 2028) (%)

FIGURE 21 COSMETIC INDUSTRY GLOBAL MARKET SHARE, BY REGION, (2021 V/S 2028) (%)

FIGURE 22 CHEMICAL INDUSTRY GLOBAL MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 23 OTHER INDUSTRY GLOBAL MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 24 OTHER INDUSTRY GLOBAL MARKET SHARE, BY REGION, (2021 V/S 2028) (%)

FIGURE 25 OTHER INDUSTRY GLOBAL MARKET SHARE, BY REGION, (2021 V/S 2028) (%)

FIGURE 26 TOXICOLOGY SERVICES GLOBAL MARKET SHARE, BY ENDPOINTS (2021 V/S 2028) (%)

FIGURE 27 TOXICOLOGY SERVICES GLOBAL MARKET REVENUE, BY REGION (2020-2028) (\$MN), CAGR (%)

FIGURE 28 TOXICOLOGY SERVICES GLOBAL MARKET REVENUE, BY GEOGRAPHY (2021) (\$ MN)

FIGURE 29 NORTH AMERICA TOXICOLOGY SERVICES MARKET SHARE, BY METHODS (2021 V/S 2028) (%)

FIGURE 30 IN VITRO TOXICOLOGY SERVICES MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 31 NORTH AMERICA TOXICOLOGY SERVICES MARKET SHARE, BY INDUSTRY (2021 V/S 2028) (%)

FIGURE 32 NORTH AMERICA PHARMACEUTICAL INDUSTRY MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 33 NORTH AMERICA CHEMICAL INDUSTRY MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 34 NORTH AMERICA OTHER INDUSTRIES MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 35 NORTH AMERICA TOXICOLOGY SERVICES MARKET SHARE, BY ENDPOINTS (2021 V/S 2028) (%)

FIGURE 36 NORTH AMERICA TOXICOLOGY SERVICES MARKET SHARE, BY COUNTRY (2021 V/S 2028) (%)

FIGURE 37 U.S. TOXICOLOGY SERVICES REVENUE, BY METHODS AND INDUSTRY (2021 V/S 2028) (\$MN)

FIGURE 38 U.S. TOXICOLOGY SERVICES MARKET REVENUE(\$MN) AND CAGR (%), BY ENDPOINTS (2021)

FIGURE 39 REST OF NORTH AMERICA TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS AND INDUSTRY (2021 V/S 2028) (\$MN)

FIGURE 40 REST OF NORTH AMERICA TOXICOLOGY SERVICES MARKET REVENUE (\$MN) AND CAGR (%), BY ENDPOINTS (2021)

FIGURE 41 EUROPE TOXICOLOGY SERVICES MARKET SHARE, BY METHODS

(2021 V/S 2028) (%)

FIGURE 42 EUROPE IN VITRO TOXICOLOGY SERVICES MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 43 EUROPE TOXICOLOGY SERVICES MARKET SHARE, BY INDUSTRY (2021 V/S 2028) (%)

FIGURE 44 EUROPE PHARMACEUTICAL INDUSTRY MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 45 EUROPE CHEMICAL INDUSTRY MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 46 EUROPE OTHER INDUSTRIES MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 47 EUROPE TOXICOLOGY SERVICES MARKET SHARE, BY ENDPOINTS (2021 V/S 2028) (%)

FIGURE 48 EUROPE TOXICOLOGY SERVICE MARKET SHARE, BY COUNTRY (2021 V/S 2028) (%)

FIGURE 49 GERMANY TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS AND INDUSTRY (2021 V/S 2028) (\$MN)

FIGURE 50 GERMANY TOXICOLOGY SERVICES MARKET REVENUE(\$MN) AND CAGR (%), BY END POINTS (2021)

FIGURE 51 FRANCE TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS, AND INDUSTRY (2021 V/S 2028) (\$MN)

FIGURE 52 FRANCE TOXICOLOGY SERVICES MARKET REVENUE (\$MN) AND CAGR (%), BY END POINTS (2021)

FIGURE 53 U.K. TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS AND INDUSTRY (2021 V/S 2028) (\$MN)

FIGURE 54 U.K. TOXICOLOGY SERVICES MARKET REVENUE(\$MN) AND CAGR (%), BY END-POINTS (2021)

FIGURE 55 REST OF EUROPE TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS AND INDUSTRY (2021 V/S 2028) (\$MN)

FIGURE 56 REST OF EUROPE TOXICOLOGY SERVICES MARKET REVENUE (\$MN) AND CAGR (%), BY ENDPOINTS (2021)

FIGURE 57 APAC TOXICOLOGY MARKET SHARE, BY METHODS (2021 V/S 2028) (%)

FIGURE 58 APAC IN VITRO TOXICOLOGY SERVICES MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 59 APAC TOXICOLOGY SERVICES MARKET SHARE, BY INDUSTRY (2021 V/S 2028) (%)

FIGURE 60 APAC PHARMACEUTICAL INDUSTRY MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 61 APAC CHEMICAL INDUSTRY MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 62 APAC OTHER INDUSTRIES MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 63 APAC TOXICOLOGY SERVICES MARKET SHARE, BY ENDPOINTS (2021 V/S 2028) (%)

FIGURE 64 ASIA-PACIFIC TOXICOLOGY SERVICES MARKET SHARE, BY COUNTRY (2021 V/S 2028) (%)

FIGURE 65 JAPAN TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS AND INDUSTRY (2021 V/S 2028) (\$MN)

FIGURE 66 JAPAN TOXICOLOGY SERVICES MARKET REVENUE (\$ MN) AND CAGR (%), BY ENDPOINTS (2021)

FIGURE 67 CHINA TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS AND INDUSTRY (2021 V/S 2028) (\$MN)

FIGURE 68 CHINA TOXICOLOGY SERVICES MARKET REVENUE (\$ MN) AND CAGR (%), BY ENDPOINTS (2021)

FIGURE 69 INDIA TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS AND INDUSTRY (2021 V/S 2028) (\$MN)

FIGURE 70 INDIA TOXICOLOGY SERVICES MARKET REVENUE (\$ MN) AND CAGR (%), BY END POINTS (2021)

FIGURE 71 REST OF APAC TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS AND INDUSTRY (2021 V/S 2028) (\$MN)

FIGURE 72 REST OF APAC TOXICOLOGY SERVICES MARKET REVENUE (\$ MN) AND CAGR (%), BY END POINTS (2021) (\$MN)

FIGURE 73 ROW TOXICOLOGY SERVICES MARKET SHARE, BY METHODS (2021 V/S 2028) (%)

FIGURE 74 ROW IN VITRO TOXICOLOGY SERVICES MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 75 ROW TOXICOLOGY SERVICES MARKET SHARE, BY INDUSTRY (2021 V/S 2028) (%)

FIGURE 76 ROW PHARMACEUTICAL INDUSTRY MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 77 ROW CHEMICAL INDUSTRY MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 78 ROW OTHER INDUSTRIES MARKET SHARE, BY TYPE (2021 V/S 2028) (%)

FIGURE 79 ROW TOXICOLOGY SERVICES MARKET SHARE, BY ENDPOINTS (2021 V/S 2028) (%)

FIGURE 80 ROW TOXICOLOGY SERVICES MARKET SHARE, BY COUNTRY (2021

V/S 2028) (%)

FIGURE 81 BRAZIL TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS AND INDUSTRY (2021 VS 2028) (\$MN)

FIGURE 82 BRAZIL TOXICOLOGY SERVICES MARKET REVENUE (\$MN) AND CAGR (%), BY END POINTS (2021)

FIGURE 83 REST OF LATIN AMERICA TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS AND INDUSTRY (2021 VS 2028) (\$MN)

FIGURE 84 REST OF LATIN AMERICA TOXICOLOGY SERVICES MARKET REVENUE, BY ENDPOINTS (\$MN) AND CAGR (%) (2021)

FIGURE 85 MIDDLE EAST & OTHERS TOXICOLOGY SERVICES MARKET REVENUE, BY METHODS AND INDUSTRY (2021 V/S 2028) (\$MN)

FIGURE 86 MIDDLE EAST & OTHERS TOXICOLOGY SERVICES MARKET REVENUE (\$ MN) AND CAGR (%), BY END POINTS (2021)

FIGURE 87 SWOT: CHARLES RIVER LABORATORIES

FIGURE 88 SWOT: CMIC HOLDINGS CO., LTD

FIGURE 89 SWOT: EVOTEC SE

FIGURE 90 SWOT: EUROFINS SCIENTIFIC S.E.

FIGURE 91 SWOT: INOTIV INC.

FIGURE 92 SWOT: ITR LABORATORIES CANADA INC.

FIGURE 93 SWOT: LABCORP CORPORATION OF AMERICA HOLDINGS

FIGURE 94 SWOT: NORTH AMERICAN SCIENCE ASSOCIATES, LLC

FIGURE 95 SWOT: PHARMARON BEIJING CO., LIMITED

FIGURE 96 SWOT: SGS SA

FIGURE 97 SWOT: WUXI APPTTEC

I would like to order

Product name: Toxicology Services Global Market - Forecast To 2028

Product link: <https://marketpublishers.com/r/T88B046ED44EN.html>

Price: US\$ 4,950.00 (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/T88B046ED44EN.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