

# **Global In Vitro Toxicology Testing Market by Product, Type (ADME), Toxicity Endpoints & Tests (Carcinogenicity, Dermal Toxicity, Genotoxicity), Technology (Genomics, Transcriptomics), Method (Cellular Assays), Industry (Pharmaceutical) - Forecast to 2021**

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## **Abstracts**

The global in vitro toxicology testing market is expected to USD 27.36 billion by 2021 from USD 14.15 billion in 2016, at a CAGR of 14.1% between 2016 and 2021. By product, the market includes assays, reagents & labware, and services. Based on toxicity endpoints & tests, the market is segmented into systemic toxicity, dermal toxicity, carcinogenicity, ocular toxicity, skin sensitization & irritation, genotoxicity, neurotoxicity, and organ toxicity. The systemic toxicity segment will hold the largest share of the in vitro toxicology testing toxicity endpoints & tests market in 2016.

The geographic segments included in this report are Europe, North America, Asia, and Rest of the World (RoW). Europe is expected to account for the largest share in the global the in vitro toxicology testing market in 2016. Asia is expected to register the fastest growth in the forecast period.

The growth of this market is mainly driven by opposition to animal testing, new & promising technologies, increasing R&D to detect toxicity at early stages and insufficient databases to facilitate the use of in vitro test methods. In addition, growing demand for in vitro toxicology in the European market and increasing drug discovery and innovation, & modernization in the in vitro toxicity testing market provides a growing opportunity to this market.

A combination of bottom-up and top-down approaches was used to calculate the market sizes and growth rates of the global in vitro toxicology testing market and its subsegments. All percentage shares, splits, and breakdowns were determined using secondary sources and verified through primary sources. All possible parameters that affect the markets covered in this research study have been accounted for, viewed in extensive detail, verified through primary research, and analyzed to get the final quantitative and qualitative data. Primary interviews with key opinion leaders were also used to determine the percentage shares of each subsegment and the relative differences in growth rates. The report provides qualitative insights about growth rates, and market drivers for all subsegments. It maps market sizes and growth rates for each subsegment and identifies segments poised for rapid growth in each geographic segment. The report also includes company profiles of market leaders such as Agilent Technologies, Inc. (U.S.), Covance, Inc. (A subsidiary of LabCorp) (U.S.), Bio-Rad Laboratories, Inc. (U.S.), General Electric Company (U.S.), Eurofins Scientific SE (Luxembourg), BioReliance, Inc. (A subsidiary of Merck & Co, Inc.) (U.S.), Charles River Laboratories International, Inc. (U.S.), Thermo Fisher Scientific, Inc. (U.S.), Catalent (U.S.), and Cyprotex (U.K.).

#### Reasons to Buy the Report:

The report will enable both established firms and new entrants to gauge the pulse of the market and to help them make important strategic growth decisions.

#### The report provides insights on the following:

**Product Development/Innovation:** Product portfolios of the top players in the in vitro toxicology testing market. Detailed insights on upcoming technologies, research and development activities, and new product launches in the insights on upcoming technologies market

**Competitive Assessment:** In-depth assessment of market shares, strategies, geographic and business segments, and product portfolios of the leading players in the in vitro toxicology testing market

**Market Development:** Comprehensive information about lucrative emerging markets. The report analyzes the market for various in vitro toxicology testing across geographies

**Market Diversification:** Exhaustive information about new products, recent

developments, and investments in the in vitro toxicology testing market

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