

# **Global Cell Line Authentication And Characterization Tests Market Size study, by Test Type (Karyotype, Short Tandem Repeat [STR] Analysis, Single Nucleotide Polymorphism [SNP] Analysis, and Others) Application (Microbial Contamination, Cell Line Identity, Genetic Stability, Virus Testing, and Others) and End-user (Pharmaceutical & Biotechnology Companies, Academic & Research Institutes, and Others) and Regional Forecasts 2021-2027**

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## **Abstracts**

Global Cell Line Authentication And Characterization Tests Market is valued approximately USD xx billion in 2020 and is anticipated to grow with a healthy growth rate of more than xx% over the forecast period 2021-2027. Authenticating cell lines is a crucial step in ensuring the reproducibility and integrity of biological research. Bacteria, viruses, fungi, and contamination from other cell lines of the same or other species are all contaminants in cell cultures. Contaminants change the physiology and characteristics of cells, jeopardizing experiment outcomes. The global cell line authentication and characterization tests market is expected to be driven by a growth in the geriatric population and an increase in the frequency of chronic diseases. Moreover, during the forecast period of 2021 to 2027, the market is expected to be propelled by the increased demand for precise qualitative and quantitative analysis of cell lines. Furthermore, a surge in cell line manufacturing for biopharmaceutical production is projected to boost the market. Furthermore, the global cell line authentication and characterization tests market is expected to develop because of an increase in research for the identification of novel biomolecules for drug discovery, rising public awareness, and government laws in various countries. Increasing genetic engineering research is

also expected to drive the market during the forecast period. The global cell line authentication and characterization tests market is driven by a high rate of adoption of new technologies and a rapidly developing health care industry. For instance, in January 2021, after announcing (and then delaying) changes to how it uses your data, WhatsApp, the Facebook-owned popular messaging service with over 2 billion users, has received a lot of backlash and lost subscribers in recent weeks. It's not finished tinkering with privacy and security settings. It's now introducing a new biometric function to the service, which will offer a new authentication layer for users of the web and desktop versions. However, high cost of research activities will hinder the market during the forecasting years.

The main regions of Asia Pacific, North America, Europe, Latin America, and the Rest of the World are included in the geographical analysis of the worldwide Cell Line Authentication And Characterization Tests market. As improved government regulations, technological developments, and increased public awareness, North America is leading the market. Due to obligatory biological safety testing for the identification of contaminants in biologics used in humans, Europe held the second largest market share. The burgeoning biopharmaceutical industry, new product launches, rising health-care spending, and increased research efforts are expected to drive the market in Asia Pacific.

Major market player included in this report are:

Bio-Synthesis, Inc.

Cell Line Genetics, Inc.

Charles River Laboratories

DNA Forensics Lab India

Eurofins Genomics (Eurofins Scientific)

GenomeScan

IDEXX Laboratories, Inc.

Laboratory Corporation of America Holdings

Microsynth AG

NorthGene Limited (Biofortuna Limited)

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 in Route of Administration 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 Test Type:

Karyotype

Short Tandem Repeat (STR) Analysis

Single Nucleotide Polymorphism (SNP) Analysis

Others

By End Use:

Pharmaceutical & Biotechnology Companies

Academic & Research Institutes

Others

By Application:

Microbial Contamination

Cell Line Identity

Genetic Stability

Virus Testing

Others

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 Cell Line Authentication And Characterization Tests 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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