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High Throughput Screening (HTS) Market Report: Trends, Forecast and Competitive Analysis

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Abstracts

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The future of the global high throughput screening (HTS) market looks promising with opportunities in the pharmaceutical and biotechnology companies, academic and government institutes, and contract research organizations (CRO). The global high throughput screening (HTS) market is expected to grow with a CAGR of 7%-9% from 2020 to 2025. The major drivers for this market are growing adoption of open innovation models in pharmaceutical and biotechnology companies, increasing R&D spending, and the availability of government funding and venture capital investments.

A total of XX figures / charts and XX tables are provided in this more than 150-page 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 high throughput screening (HTS) market report, please download the report brochure.

In this market, reagents and assay kits is the fastest growing product and service type of high throughput screening (HTS). Growth in various segments of the high throughput screening (HTS) market are given below:

The study includes trends and forecast for the global high throughput screening (HTS) market by by product & service, technology, application, detection method, end user, and region as follows:

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

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Reagents & Assay Kits

Instruments

Consumables & Accessories

Software

Services

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

Cell-Based Assays

2D Cell Culture

3D Cell Culture

Scaffold-Based Technology

Scaffold-Free Technology

Perfusion Cell Culture

Reporter Based Assays

Lab-On-A-Chip

Ultra-High-Throughput Screening

Bioinformatics

Label-Free Technology

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

Drug Discovery

Target Identification and Validation

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Primary and Secondary Screening

Toxicology Assessment

Chemical Biology Programs

Cell- & Organ-Based Screening

Biochemical Screening

Biological Active Compound Screening

Genomics

Proteomics

Compound Profiling

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

Mass Spectrometry (MS)

Chromatography

Calorimetry

X-Ray Diffraction

Other Detection Methods

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

Pharmaceutical and Biotechnology Companies

Academic and Government Institutes

Contract Research Organizations (CRO)

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Other End Users

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

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

Spain

Italy

France

Asia Pacific

China

Japan

India

The Rest of the World

Brazil

Some of the metagenomics companies profiled in this report include Agilent Technologies, Danaher, Thermofisher Scientific, PerkinElmer, Tecan Group, Merck Millipore, Bio-Rad Laboratories, Hamilton Company, Axxam, and Aurora Biomed.

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Lucintel forecasts that reagents & assay kits will remain the largest product and service segment over the forecast period, primarily be attributed to factors, such as the large number of reagents and assay kits used in HTS techniques, rising prevalence of a number of diseases, increasing pharmaceutical R&D, and increased government funding for life science research.

Within this market, pharmaceutical & biotechnology companies will remain the largest application type segment over the forecast period, primarily driven by the extensive use of the HTS technology in pharmaceutical and biotechnology companies for drug discovery applications along with increasing pharmaceutical R&D expenditure.

North America will remain the largest region over the forecast period due to large spending on pharmaceutical R&D, the growing adoption of HTS, and availability of government funding in this region.

Features of the Global High Throughput Screening (HTS) Market

Market Size Estimates: Global high throughput screening (HTS) 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 high throughput screening (HTS) market size by various segments, such as by product & service, technology, application, detection method, and end user in terms of value.Regional Analysis: Global high throughput screening (HTS) market breakdown by North America, Europe, Asia Pacific, and Rest of the World.Growth Opportunities: Analysis of growth opportunities in different by product & service, technology, application, detection method, end user, and region for the global high throughput screening (HTS) market.Strategic Analysis: This includes M&A, new product development, and competitive landscape of the global high throughput screening (HTS) 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 high throughput screening (HTS) market product & service (reagents & assay kits, instruments, consumables & accessories, software, and services), technology (cell-based assays (2D cell culture, 3D cell culture (scaffold-based technology and scaffold-free technology), perfusion cell culture, and reporter based assays), lab-on-a-chip, ultra-

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high-throughput screening, bioinformatics, and label-free technology), application (drug discovery (target identification and validation, primary and secondary screening, and toxicology assessment), chemical biology programs, cell- & organ-based screening, biochemical screening, biological active compound screening, genomics, proteomics, and compound profiling), detection method (mass spectrometry (MS), chromatography, calorimetry, x-ray diffraction, and other detection methods), end user (pharmaceutical and biotechnology companies, academic and government institutes, contract research organizations (CRO), and other end users) 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 high throughput screening (HTS) market?
Q.5 What are the business risks and threats to the global high throughput screening (HTS) market?
Q.6 What are the emerging trends in this high throughput screening (HTS) market and the reasons behind them?
Q.7 What are some changing demands of customers in this high throughput screening (HTS) market?
Q.8 What are the new developments in this high throughput screening (HTS) market? Which companies are leading these developments?
Q.9 Who are the major players in this high throughput screening (HTS) 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 high throughput screening (HTS) 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 high throughput screening (HTS) market?

Report Scope

Key Features Description

Base Year for Estimation 2019

Trend Period

(Actual Estimates) 2014-2019

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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 (Reagents & Assay Kits, Instruments, Consumables & Accessories, Software, and Services), Technology (Cell-Based Assays (2D Cell Culture, 3D Cell Culture (Scaffold-Based Technology and Scaffold-Free Technology), Perfusion Cell Culture, and Reporter Based Assays), Lab-On-A-Chip, Ultra-High-Throughput Screening, Bioinformatics, and Label-Free Technology), Application (Drug Discovery (Target Identification and Validation, Primary and Secondary Screening, and Toxicology Assessment), Chemical Biology Programs, Cell- & Organ-Based Screening, Biochemical Screening, Biological Active Compound Screening, Genomics, Proteomics, and Compound Profiling), Detection Method (Mass Spectrometry (MS), Chromatography, Calorimetry, X-Ray Diffraction, and Other Detection Methods), and End User (Pharmaceutical and Biotechnology Companies, Academic and Government Institutes, Contract Research Organizations (CRO), and Other End Users)

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

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