

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

<https://marketpublishers.com/r/H4FA203FF1E2EN.html>

Date: May 2024

Pages: 150

Price: US\$ 4,850.00 (Single User License)

ID: H4FA203FF1E2EN

## Abstracts

Get it in 2 to 4 weeks by ordering today

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]:

## 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

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)

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.

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-

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

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)

Customization 10% Customization without Any Additional Cost

## Contents

### **1. EXECUTIVE SUMMARY**

### **2. MARKET BACKGROUND AND CLASSIFICATIONS**

2.1: Introduction, Background, and Classifications

2.2: Supply Chain

2.3: Industry Drivers and Challenges

### **3. MARKET TRENDS AND FORECAST ANALYSIS FROM 2014 T 2025**

3.1: Macroeconomic Trends and Forecast

3.2: Global High Throughput Screening (HTS) Market Trends and Forecast

3.3: Global High Throughput Screening (HTS) Market by Product & Service

3.3.1: Reagents & Assay Kits

3.3.2: Instruments

3.3.3: Consumables & Accessories

3.3.4: Software

3.3.5: Services

3.4: Global High Throughput Screening (HTS) Market by Technology

3.4.1: Cell-Based Assays

3.4.1.1: 2D Cell Culture

3.4.1.2: 3D Cell Culture

3.4.1.2.1: Scaffold-Based Technology

3.4.1.2.2: Scaffold-Free Technology

3.4.1.3: Perfusion Cell Culture

3.4.1.4: Reporter Based Assays

3.4.2: Lab-On-A-Chip

3.4.3: Ultra-High-Throughput Screening

3.4.4: Bioinformatics

3.4.5: Label-Free Technology

3.5: Global High Throughput Screening (HTS) Market by Application

3.5.1: Drug Discovery

3.5.1.1: Target Identification and Validation

3.5.1.2: Primary and Secondary Screening

3.5.1.3: Toxicology Assessment

3.5.2: Chemical Biology Programs

3.5.3: Cell- & Organ-Based Screening



- 3.5.4: Biochemical Screening
- 3.5.5: Biological Active Compound Screening
- 3.5.6: Genomics
- 3.5.7: Proteomics
- 3.5.8: Compound Profiling
- 3.6: Global High Throughput Screening (HTS) Market by Detection Method
  - 3.6.1: Mass Spectrometry (MS)
  - 3.6.2: Chromatography
  - 3.6.3: Calorimetry
  - 3.6.4: X-Ray Diffraction
  - 3.6.5: Other Detection Methods
- 3.7: Global High Throughput Screening (HTS) Market by End User
  - 3.7.1: Pharmaceutical and Biotechnology Companies
  - 3.7.2: Academic and Government Institutes
  - 3.7.3: Contract Research Organizations (CRO)
  - 3.7.4: Other End Users

#### **4. MARKET TRENDS AND FORECAST ANALYSIS BY REGION**

- 4.1: Global High Throughput Screening (HTS) Market by Region
- 4.2: North American High Throughput Screening (HTS) Market
  - 4.2.1: Market by Product & Service: Reagents & Assay Kits, Instruments, Consumables & Accessories, Software, and Services
  - 4.2.2: Market by 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
  - 4.2.3: Market by 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
  - 4.2.4: Market by Detection Method: Mass Spectrometry (MS), Chromatography, Calorimetry, X-Ray Diffraction, and Other Detection Methods
  - 4.2.5: Market by End User: Pharmaceutical and Biotechnology Companies, Academic and Government Institutes, Contract Research Organizations (CRO), and Other End Users
  - 4.2.6: The United States High Throughput Screening (HTS) Market
  - 4.2.7: The Canadian High Throughput Screening (HTS) Market
  - 4.2.8: The Mexican High Throughput Screening (HTS) Market

#### 4.3: European High Throughput Screening (HTS) Market

4.3.1: Market by Product & Service: Reagents & Assay Kits, Instruments, Consumables & Accessories, Software, and Services

4.3.2: Market by 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

4.3.3: Market by 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

4.3.4: Market by Detection Method: Mass Spectrometry (MS), Chromatography, Calorimetry, X-Ray Diffraction, and Other Detection Methods

4.3.5: Market by End User: Pharmaceutical and Biotechnology Companies, Academic and Government Institutes, Contract Research Organizations (CRO), and Other End Users

4.3.6: The German High Throughput Screening (HTS) Market

4.3.7: The United Kingdom High Throughput Screening (HTS) Market

4.3.8: The Spain High Throughput Screening (HTS) Market

4.3.9: The Italy High Throughput Screening (HTS) Market

4.3.10: The French High Throughput Screening (HTS) Market

#### 4.4: APAC High Throughput Screening (HTS) Market

4.4.1: Market by Product & Service: Reagents & Assay Kits, Instruments, Consumables & Accessories, Software, and Services

4.4.2: Market by 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

4.4.3: Market by 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

4.4.4: Market by Detection Method: Mass Spectrometry (MS), Chromatography, Calorimetry, X-Ray Diffraction, and Other Detection Methods

4.4.5: Market by End User: Pharmaceutical and Biotechnology Companies, Academic and Government Institutes, Contract Research Organizations (CRO), and Other End Users

4.4.6: The Chinese High Throughput Screening (HTS) Market

4.4.7: The Indian High Throughput Screening (HTS) Market

- 4.4.8: The Japanese High Throughput Screening (HTS) Market
- 4.5: ROW High Throughput Screening (HTS) Market
  - 4.5.1: Market by Product & Service: Reagents & Assay Kits, Instruments, Consumables & Accessories, Software, and Services
  - 4.5.2: Market by 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
  - 4.5.3: Market by 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
  - 4.5.4: Market by Detection Method: Mass Spectrometry (MS), Chromatography, Calorimetry, X-Ray Diffraction, and Other Detection Methods
  - 4.5.5: Market by End User: Pharmaceutical and Biotechnology Companies, Academic and Government Institutes, Contract Research Organizations (CRO), and Other End Users
  - 4.5.6: Brazilian High Throughput Screening (HTS) Market

## **5. COMPETITOR ANALYSIS**

- 5.1: Market Share Analysis
- 5.2: Product Portfolio Analysis
- 5.3: Operational Integration
- 5.4: Geographical Reach
- 5.5: Porter's Five Forces Analysis

## **6. COST STRUCTURE ANALYSIS**

- 6.1: Cost of Goods Sold
- 6.2: SG&A
- 6.3: EBITDA Margin

## **7. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS**

- 7.1: Growth Opportunity Analysis
  - 7.1.1: Growth Opportunities for the Global High Throughput Screening (HTS) Market by Product and Service
  - 7.1.2: Growth Opportunities for the Global High Throughput Screening (HTS) Market

by Technology

7.1.3: Growth Opportunities for the Global High Throughput Screening (HTS) Market  
by Application

7.1.4: Growth Opportunities for the Global High Throughput Screening (HTS) Market  
by Detection Method

7.1.5: Growth Opportunities for the Global High Throughput Screening (HTS) Market  
by End User

7.1.6: Growth Opportunities for the Global High Throughput Screening (HTS) Market  
by Region

7.2: Emerging Trends in the Global High Throughput Screening (HTS) Market

7.3: Strategic Analysis

7.3.1: New Product Development

7.3.2: Capacity Expansion of the Global High Throughput Screening (HTS) Market

7.3.3: Mergers, Acquisitions, and Joint Ventures in the Global Metagenomics Market

7.3.4: Certification and Licensing

## **8. COMPANY PROFILES OF LEADING PLAYERS**

8.1: Agilent Technologies, Inc

8.2: Danaher

8.3: ThermoFisher Scientific Inc.

8.4: Company

8.5: Company

8.6: Company

8.7: Company

8.8: Company

8.9: Company

8.10: Company

## I would like to order

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

Product link: <https://marketpublishers.com/r/H4FA203FF1E2EN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/H4FA203FF1E2EN.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

