

# High Content Screening Market is Expected to Progress at a CAGR of 6.1% to Reach US\$ 3,570.0 Million by 2034

*The Rising Need for Efficient and Effective Drug Discoveries Worldwide is Expected to Create Lucrative Growth Opportunities in the Market. Fact.MR Report*

ROCKVILLE, MD, UNITED STATES, March 14, 2025 /EINPresswire.com/ -- The global [high content screening market](#) is estimated at US\$ 1,979.9 million in 2024. The market is projected to grow significantly, with a 6.1% CAGR through 2034. The market is projected to surpass US\$ 3,570.0 million by 2034.



The high content screening industry is likely to rise in the coming years, owing to the rising need for personalized medicine, drug research and development, and drug toxicity studies, among other factors.

High content screening and drug toxicity studies are increasingly used in drug research and development. This is because it allows researchers to analyze several biological factors simultaneously, such as cell shape, gene expression, and protein localization, which can aid in identifying prospective drug targets and lead compounds. The growing usage of automated high content screening methods has fueled market expansion by allowing for faster, more accurate, and high-throughput examination of massive cell populations.

The market is growing due to significant research and development activities in drug discovery and innovation. Technological improvements and the availability of high-throughput screening methods facilitate the creation of new medications and cures, promoting the growth of the high content screening market.

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## Key Takeaways from the Market Study

The global high content screening market is projected to expand at a CAGR of 6.1% from 2024 to 2034.

The North America high content screening market is expected to evolve at a CAGR of 5.9% from 2024 to 2034.

The market is expected to register a CAGR of 6.0% in the United States over the forecast period.

The high content screening market industry in China is expected to rise at a CAGR of 7.4% through 2034.

Based on the product type, the cell imaging & analysis segment leads the market, with an expected market share of 4.6% in 2024.

"The growing use of automated methods for high content screening is projected to drive market expansion in the coming years. These automated devices provide excellent precision, accuracy, and speed, allowing researchers to screen many samples quickly and thus present opportunities for market players." says a Fact.MR analyst.

## Leading Players Driving Innovation in the High Content Screening Market

Thermo Fisher Scientific Inc.; Becton Dickinson, and Company; Danaher Corporation; Yokogawa Electric Corporation; BioTek Instruments Inc.; PerkinElmer Inc.; Sysmex Corporation; Merck KGaA; GE Healthcare; Olympus Corporation

Companies offer their unique strengths and abilities to the market, resulting in diverse customer possibilities. Furthermore, numerous smaller organizations and startups are joining the market, each with its unique approach to high content screening. Overall, competition in this sector is intense, but it ensures clients have access to modern technology.

Some of the prominent companies in the market are Thermo Fisher Scientific Inc., Becton Dickinson and Company, Danaher Corporation, Yokogawa Electric Corporation, and BioTek Instruments Inc.

In 2022, The Automated Library Synthesis (ALiS) System was officially launched by Particle Works, an organization that develops and manufactures new particle engineering solutions. This innovative platform focuses on rapid screening of lipid nanoparticle (LNP) formulations and mRNA candidates and computerization in the early stages of therapeutic development.

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High Content Screening Industry News:

Olympus launched in 2022 the SciLog SciPure FD System, a new cell imaging system that is capable of obtaining high-quality multicolor images rapidly with improved quantitative outcomes.

In 2022, Particle Works, a pioneering company specializing in the design and production of groundbreaking particle engineering solutions, declared the formal introduction of the Automated Library Synthesis (ALiS) System. The novel platform focuses on rapid screening of lipid nanoparticle (LNP) formulations and mRNA candidates as well as computerization during initial stages of drug development.

## Segmentation of High Content Screening Market Research

### By Product Type:

Cell Imaging & Analysis

Consumables

Software

Services

### By Industry Type:

Pharmaceutical & Healthcare

Biotechnology

Educational Institutions

Independent CRO

Government Organizations

Others

### By Application:

Primary & Secondary Screening

Target Identification & Validation

Toxicity Studies

Compound Profiling

Others

### By Region:

North America

Europe

Latin America

East Asia

South Asia & Oceania

The Middle East & Africa

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The global [medical device technology market](#) is projected to reach US\$ 530.14 billion in 2024 and grow at a 4.9% CAGR, reaching US\$ 854.13 billion by 2034, according to Fact.MR's latest analysis.

The [drug discovery services market](#) is set to grow from US\$ 19 billion in 2022 to US\$ 50 billion by 2032 at a 10.1% CAGR. In 2022, a Y-o-Y growth of 12% is expected, with the market valued at US\$ 17 billion in 2021.

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With its unwavering dedication to providing reliable market intelligence, FACT.MR continues to assist companies in navigating dynamic market challenges with confidence and achieving long-term success. With a global presence and a team of experienced analysts, FACT.MR ensures its clients receive actionable insights to capitalize on emerging opportunities and stay competitive.

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