

High Content Screening/Imaging: Technologies and Global Markets

Market Research Report | 2025-01-16 | 141 pages | BCC Research

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Report description:

Description

Report Scope

The report offers a detailed picture of the high-content screening/imaging (HCS/I) market.

This report highlights the current and future market potential for HCS/I. It provides a detailed analysis of the competitive environment, regulatory scenario, drivers, restraints, opportunities and trends in the market. The report also covers market projections through 2029 and the market share of key players.

This report discusses the HCS/I industry and its resources. It covers the overall HCS/I market including instruments, consumables (reagents and kits), software and analytics, and services. The report further analyzes the market based on application, analyzing primary and secondary screening, target identification and validation, compound profiling, and toxicity studies. A complete regional analysis of the market is also offered in the report.

The market is segmented by region into North America, Europe, Asia-Pacific and the Rest of the World. Regional analysis is further broken down by country. North America is segmented into the U.S., Canada and Mexico; Europe is segmented into Germany, the U.K., France, Italy, Spain and the Rest of Europe; and Asia-Pacific is segmented into China, Japan, India, South Korea, Australia and the Rest of Asia-Pacific. For market estimates, data has been provided for 2021 and 2022 as the historic years, 2023 as the base year, and forecast for 2024 through 2029.

Report Includes

- 56 data tables and 57 additional tables
- Analyses of the trends in global market for high content screening/imaging (HCS/I) technologies, with market revenue data (sales figures) from 2021 and 2022, estimates for 2023, forecasts for 2024, and projected CAGRs through 2029
- Estimates of the market size and revenue growth prospects, along with a market share analysis by component, area of application, end user and region/country
- Facts and figures pertaining to key market dynamics, technological advances, regulations, and the impact of macroeconomic factors

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- Insights derived from the Porter's Five Forces model, as well as global supply chain and PESTLE analyses
- An analysis of patents, emerging trends and developments
- A pricing analysis for HCS/I instruments from leading companies
- Analysis of the industry structure, including companies' market shares and rankings, strategic alliances, M&A activities, and a venture funding outlook
- Overview of sustainability trends and ESG developments, with emphasis on consumer attitudes, and the ESG scores and practices of leading companies
- Company profiles of major players within the industry, including Danaher Corp., Revvity, Thermo Fischer Scientific Inc., Agilent Technologies Inc., and Yokogawa Electric Corp.

Executive Summary

Summary:

The global market for HCS/I was valued at \$3.1 billion in 2023. The market is forecast to grow at a CAGR of 8.4% during the forecast period to reach \$5.1 billion by the end of 2029.

Growing pharmaceutical R&D budgets and increasing technological advances in HCS/I are driving the market's growth. High equipment costs and data management concerns will challenge the market's growth.

This report sections the global market by component, application, end user and region. By component type, the market is divided into instruments, consumables, software and analytics, and services. The instruments segment, which held the largest share in 2023, is expected to grow at a CAGR of 7.9% during the forecast period.

In terms of applications, the primary and secondary screening segment is forecast to grow at a CAGR of 8.3% during the forecast period. This segment accounted for 32.4% of the market in 2023 and is projected to reach a value of \$1.6 billion by the end of 2029.

North America held the largest market share of 37.1% by region in 2023, due to the presence of large pharmaceutical companies and an increasing use of HCS/I by academics in the region.

Leading companies in the global market include Danaher Corp., Revvity Inc., Thermo Fischer Scientific Inc., Agilent Technologies and Yokogawa Electric Corp.

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BRUKER
CHARLES RIVER LABORATORIES
CORNING INC.
DANAHER CORP.
EVIDENT
MERCK KGAA
MILTENYI BIOTEC
REVVITY
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