

China Microarray Market Size, Share, Forecast, & Trend Analysis by Product (Consumables [Microarray Kits {DNA (cDNA, Oligo), Protein}], Instruments, Software, Services), Application (Drug Discovery, Research, Diagnostics), End User— Forecast to 2031

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Abstracts

China Microarray Market Size, Share, Forecast, & Trend Analysis by Product (Consumables [Microarray Kits {DNA (cDNA, Oligo), Protein}], Instruments, Software, Services), Application (Drug Discovery, Research, Diagnostics), End User—Forecast to 2031

The China microarray market is projected to reach \$910.4 million by 2031, at a CAGR of 8.4% from 2024 to 2031.

Following a comprehensive primary and secondary study and an in-depth analysis of the market scenario, this report provides the key drivers, constraints, challenges, and opportunities of the industry. This market is driven by increasing research applications of the microarray technology, growth in genomics & proteomics research, rising prevalence of cancers & genetic disorders, and growing R&D expenditures in the pharmaceutical & biotechnology industries.

Additionally, advancements in microarray technology and the growing adoption of personalized medicines provide significant growth opportunities for this market. However, the elevated costs of microarray compared to other genetic testing methods may restrain the growth of this market. Furthermore, the lack of sensitivity and accuracy in microarray poses a major challenge for the players operating in this market.

Among the products studied in this report, in 2024, the consumables segment is

expected to account for the largest share of the China microarray market. Consumables encompass kits and additional items necessary for microarray applications, ensuring comprehensive and optimal sample preparation for accurate results and analysis. The large market share is driven by factors including streamlined workflows, reduced errors, cost efficiency, and minimized waste.

Among the applications studied in this report, in 2024, the drug discovery & development segment is expected to account for the largest share of the China microarray market. This large market share is attributed to factors such as elevated pharmaceutical R&D expenditures, a growing demand for novel drugs, increased government funding for drug discovery and development, and the rising adoption of microarray technology for identifying suitable therapeutic targets.

Among the end users studied in this report, in 2024, the pharmaceutical and biotechnology companies segment is expected to account for the largest share of the China microarray market. This large market share is driven by factors such as rising healthcare expenditures, increased investment and funding in pharmaceutical companies, advancements in research and development, and enhanced patient outcomes.

Some of the major players studied in this report are Sino Biological, Inc. (China), CapitalBio Technology Co., Ltd. (China), Arrayit Corporation (U.S.), Thermo Fisher Scientific, Inc. (U.S.), Illumina, Inc. (U.S.), Revvity, Inc. (U.S.), Agilent Technologies, Inc. (U.S.), Merck KGaA (Germany), and Qiagen N.V. (Netherlands), and RayBiotech Life, Inc. (U.S.).

Scope of the Report:

China Microarray Market Assessment—by Product

Consumables

Kits

DNA & RNA Microarray Kits

cDNA Microarray Kits

Oligo Microarray Kits

Other DNA & RNA Microarray Kits

(Other DNA & RNA microarray kits comprise RNA microarray, SNP microarray, and BAC microarray)

Protein Microarray Kits

Tissue Microarray Kits

Other Microarray Kits

(Other microarray kits comprise cell microarray, ChIP-chip microarray (Chromatin Immunoprecipitation Microarray), and glycan microarray)

Other Consumables

(Other consumables comprise buffers, reagents, slides, well plates, coated slides, and microtiter plates)

Instruments

Software

Services

China Microarray Market Assessment—by Application

Drug Discovery & Development

Research Applications

Diagnostics

Other Applications

(Other applications comprise agriculture, food & beverage, and forensics)

China Microarray Market Assessment—by End User

Pharmaceutical and Biotechnology Companies

Contract Research Organizations (CROs)

Research & Academic Institutes

Hospitals & Diagnostic Laboratories

Other End Users

(Other end users comprise veterinary clinics, agricultural industry, and forensic laboratories)

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