

# Next Generation Cancer Diagnostics: Technologies and Global Markets

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## Abstracts

### Report Scope:

The scope of this report includes next generation diagnostic technologies, applications, industry subsegments, major funding initiatives, patents and companies. The market sizes for next generation cancer diagnostics are given for 2019, 2020 (estimated) and 2025 (forecasted).

This report reviews the main next generation diagnostic technologies, including next generation sequencing (NGS), polymerase chain reaction (PCR), multiplex conventional, cell or extracellular vesicle capture and arrays/microfluidics. The report also discusses, in-depth, various liquid biopsy platforms and how these compare with tissue-based testing.

The report discusses several significant, large-scale research initiatives that contribute to cancer diagnostic development. Key forces driving the market are enumerated.

The structures of several important industry subsectors are reviewed, as well as major industry acquisitions and strategic alliances from Jan. 2019 through June 2020. The industry subsectors analyzed include DNA sequencing instruments, long-read DNA sequencing, informatics, PCR, droplet digital PCR, CTC capture and detection and liquid biopsy.

The market for next generation cancer diagnostics is analyzed in depth. The market is analyzed by cancer site (bladder, brain, breast, colorectal, cancer of unknown primary, gastric, gynecologic, hematologic, kidney, liver, lung, pan-cancer, pancreatic, prostate, melanoma and thyroid), by test purpose (screening/early detection, diagnosis,

monitoring, therapy guidance), by test platform (arrays/microfluidics, cell/EV capture, multiplex conventional, PCR and NGS) and by geography (North America, Europe, Asia Pacific, Rest of World).

Market data covers 2019, 2020 (estimated) and 2025 (forecasted).

There is a special section discussing the impact of COVID-19 on the market for next generation cancer diagnostics.

More than 130 companies in the next generation cancer diagnostics industry are profiled in this report.

BCC Research provides a summary of the main industry acquisitions and strategic alliances from Jan. 2019 through June 2020, including key alliance trends.

Report Includes:

22 data tables and 74 additional tables

An overview of the global market and technologies for next generation cancer diagnostics

Analyses of global market trends, with data from 2019, estimates for 2020, and projections of compound annual growth rates (CAGRs) through 2025

Analyses of the next generation cancer diagnostics market by cancer site, analysis purpose, analysis platform and region

Discussion on arrays and microfluidics (LOAC) technologies, multiplex conventional technologies, next generation sequencing technology and polymerase chain reaction (PCR) technology

Evaluation of current market trends, market size, market forecast, pipeline analysis of new products, and regulatory scenarios of the cancer diagnostics market

Discussion on factors affecting the market including cancer diagnostics needs, regulatory trends, industry structure, and patent statuses

Details of the key initiatives and programs related to the next generation cancer diagnostics market

Market share analysis of the key companies of the industry, their strategic profiling, competitive landscape, and their detailed company profiles, including Abbott Laboratories, Illumina Inc., Myriad Genetics Inc., Qiagen NV, Oche Holding AG, and Thermo Fisher Scientific Inc.

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Population Sequencing Projects  
Precancer Atlas  
Precision Medicine Initiative  
Prompt  
QuIP Project  
Single-Cell Proteomics and Lipidomics Project  
TopMed  
Treehouse Childhood Cancer Initiative  
Very Rare Cancer Consortium  
Worldwide Innovative Networking (WIN) Consortium

Single-Cell Research  
Cambridge Single-Cell Analysis Core Facility  
Harvard Medical School Single-Cell Core  
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ADAPTIVE BIOTECHNOLOGIES INC.  
AGENDIA NV  
AGILENT TECHNOLOGIES INC.  
AKADEUM LIFE SCIENCES  
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APOSTLE INC.  
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CELLMAX LIFE  
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CIRCULOGENE THERANOSTICS  
CLINICAL GENOMICS TECHNOLOGIES  
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SINGLERA GENOMICS INC.

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SYSMEX INOSTICS GMBH  
THERMO FISHER SCIENTIFIC INC.  
THRIVE EARLIER DETECTION CORP.  
TIZIANA LIFE SCIENCES PLC  
VORTEX BIOSCIENCES  
VERACYTE  
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YIKON GENOMICS CO. LTD.

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