

The Chinese Market for DNA Sequencing

Market Research Report | 2025-09-05 | 82 pages | BCC Research

AVAILABLE LICENSES:

- Single User License \$4650.00
- 2-5 Users License \$5580.00
- Site License \$6696.00
- Enterprise License \$8035.00

Report description:

Description

Report Scope

This report provides an overview of the Chinese market for DNA sequencing and analyzes market trends. It includes revenue (\$ million) for the base year data for 2024 and estimated data for 2025, and compound annual growth rate (CAGR) forecasts through the end of 2030. The market analyzed by products and services, technology, applications, end-users and provinces. The provinces covered in this study include Beijing, Shanghai, Guangdong and others.

In this report, "China" refers to mainland China and does not include Hong Kong, Macao, or Taiwan. Mainland China has 31 province-level regions, including 22 provinces, four province-level municipalities (cities) and five province-level autonomous regions. Beijing, Shanghai and Guangdong are also discussed in this report.

The report also highlights developments related to venture capital and corporate investments, regulatory trends and enterprise strategies of key firms and potential future opportunities stemming from AI-driven sequences of precision medicine and population genomics programs. The combination of in-depth market forecasts, macroeconomic analysis and tariff assessments makes this report a critical resource for stakeholders, investors and policymakers seeking to understand and take advantage of the rapidly developing Chinese DNA sequencing sector. The report focuses on the significant driving trends and challenges that affect the market and vendor landscape. It also analyzes emerging technologies related to the market.

The report concludes with an analysis of the competitive landscape, which provides the ranking or share of key companies. It also has a dedicated section of company profiles that covers details of leading companies.

Report Includes

- 16 data tables and 40 additional tables
- Overview and an analysis of the Chinese market for DNA sequencing technologies
- Analyses of the Chinese market trends, with revenue data from 2022-2024, estimates for 2025, and projected CAGRs through 2030
- Estimates of the size and revenue prospects for the market, along with a market share analysis by product and service type,

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott-international.com

www.scott-international.com

technology, application, end user and provinces

- Facts and figures pertaining to market dynamics, opportunities and deterrents, technological advances, regulations and the impacts of macroeconomic variables
- Insights derived from Porter's Five Forces model and global supply chain analysis
- Discussion of emerging trends and opportunities in next-generation DNA sequencing technologies and applications in research and clinical markets
- Analysis of the industry structure, including companies' market shares and rankings, strategic alliances, M&A activity and a venture funding outlook
- Profiles of the leading companies, including BGI, Novogene Co. Ltd., Berry Genomics, Annoroad Gene Technology, and Burning Rock Dx.

Executive Summary

Summary:

The Chinese DNA sequencing market is expected to grow from \$1.2 billion in 2025 and is projected to reach \$3.1 billion by the end of 2030, at a compound annual growth rate (CAGR) of 21.5% during the forecast period of 2025 to 2030.

The Chinese DNA sequencing market has seen rapid growth, with next-generation sequencing (NGS) continuing to grow. The demand for precision medicine is a driver of this growth, as is the increased use of DNA sequencing in healthcare, agriculture and research. Continued improvements in sequencing platforms and bioinformatics tools make genomic analysis even faster, more accurate and cheaper, which is fueling advances in oncology diagnostics, reproductive health, infectious disease surveillance, and large-scale population genomics projects. Major companies in the domestic market, including BGI Genomics, Novogene and Berry Genomics, are driving large-scale sequencing projects, and increasing governmental investments and synergistic collaboration opportunities with hospitals and academia have increased the pace of adoption in the market.

Table of Contents:

Table of Contents
Chapter 1 Executive Summary
Market Outlook
Scope of Report
Market Summary
Technological Advances
Market Dynamics and Growth Factors
Segmental Analysis
Conclusion
Chapter 2 Market Overview
Overview and Market Definition
Porter's Five Forces Analysis
Bargaining Power of Buyers
Bargaining Power of Suppliers
Potential for New Entrants
Competition in the Industry
Threat of Substitutes
Impact of the U.S. Tariffs
Direct Impact on Global Companies (e.g., Illumina, Thermo Fisher Scientific)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Indirect Impact: Catalyzing Domestic Growth and Self-Sufficiency in China
Impact on Market Structure and Long-Term Dynamics
Chapter 3 Market Dynamics
Market Dynamics
Market Drivers
Government Investment and National Strategic Initiatives
Innovation and Technological Advances - Making Sequencing Affordable
Growing Demand for Precision Medicine and Oncology Genomics
Market Restraints
High Cost of DNA Sequencing Technologies and Operational Barriers
Regulatory Complexity and Data Privacy Challenges
Market Opportunities
Expansion of Precision Medicine
Growth in Non-invasive Prenatal Testing
Chapter 4 Regulatory Landscape
Chinese DNA Sequencing Industry Regulatory Scenario
Key Regulatory Authorities
Human Genetic Resources (HGR) Regulations
Clinical Use of DNA Sequencing
Chapter 5 Emerging Technologies and Developments
Emerging Technologies
Long-Read Sequencing Technologies
Single-Molecule Real-Time (SMRT) Sequencing
Nanopore Sequencing
Spatial Genomics and Transcriptomics
Single-Cell DNA Sequencing
Ultra-Low-Input Sequencing
CRISPR-Cas9 and Genome Editing Integration with Sequencing Technologies
Artificial Intelligence (AI) and Machine Learning in DNA Sequencing
Chapter 6 Market Segmentation Analysis
Segmentation Breakdown
Chinese DNA Sequencing Market Analysis by Product and Service
Instruments and Consumables
Services
Chinese DNA Sequencing Market Analysis, by Technology
Next-Generation Sequencing (NGS)
Third-Generation Sequencing
Sanger Sequencing
Pyrosequencing
Chinese DNA Sequencing Market Analysis, by Application
Biopharma
Microbiology
Agriculture
Chinese DNA Sequencing Market Analysis, by End User
Academic and Research Institutes
Hospitals and Clinics
Pharmaceutical and Biotechnology Companies

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Clinical Research
Chinese DNA Sequencing Market Analysis, by Province
Guangdong
Beijing
Shanghai
Other Chinese Regional Markets
Chapter 7 Competitive Landscape
Overview
Domestic Companies
International Companies
Chapter 8 Appendix
Methodology
References
Abbreviations
Company Profiles
AGILENT TECHNOLOGIES INC.
ANNOROAD GENE TECHNOLOGY
BERRY GENOMICS
BGI
BURNING ROCK DX
CAPITALBIO TECHNOLOGY CO. LTD.
ILLUMINA INC.
NOVOGENE CO. LTD.
OXFORD NANOPORE TECHNOLOGIES PLC
PACBIO
THERMO FISHER SCIENTIFIC INC.
Emerging Start-ups/Market Disruptors

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

The Chinese Market for DNA Sequencing

Market Research Report | 2025-09-05 | 82 pages | BCC Research

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4650.00
	2-5 Users License	\$5580.00
	Site License	\$6696.00
	Enterprise License	\$8035.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-06-09"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

