Human Whole Genome Sequencing

A complete line of turn-key services

BGI offers the most complete line of Whole Genome Sequencing services for all your research and drug discovery needs. Utilizing our proven DNBSEQ™ NGS technology, we can deliver the highest quality data at the lowest cost.

We offer validated WGS workflows for any sample type from sequencing depth for simple consumer genomics to the depth of data needed to uncover somatic variants in cancer.

Whether you have a single sample or need us to manage population studies or clinical trials, we can support you every step of the way.

The highest quality data, without breaking the bank

Our prices start from less than $100 for Low-Pass and $600 for industry-standard 30x coverage.

Whole Genome Sequencing	Coverage	gDNA	Saliva	Blood	Fresh Frozen Tissue	Cell Pellets	FFPE	cfDNA	Low Input Sample
PCR-Free Libraries									
Low-Pass Coverage	< 10x								
Standard Coverage	30x	•	•	•	•	•			
Deep Coverage	> 30x								
PCR Libraries									
Low-Pass Coverage	< 10x								
Standard Coverage	30x	•	•	•	•	•	•	•	•
Deep Coverage	> 30x								
Long fragment read (lfrWGS)	50x	•	•	•	•	•			
Long-read WGS	> 15x	•	•	•	•	•			

Flexibility in Sample Input, as low as 50ng.

À la carte services

DNA Extraction → Library Prep → Sequencing → Bioinformatics

Choose from our à la carte menu of services, to match your needs and budget. From DNA extraction to bioinformatics, with comprehensive QC testing at all steps of the workflow, BGI generates, analyzes and can help you better understand your sequencing data.

BGI is committed to providing the highest quality NGS data, fast and at the lowest costs in the market, so you can make your research budget go further.

Quality Data | Fast | Cost Effective

Confidence from working with the experts

For as long as NGS has been around, BGI has been on the forefront of technology development and its application. Our research, documented in over 4,000 publications, has significantly contributed to the advancement of genomic science.

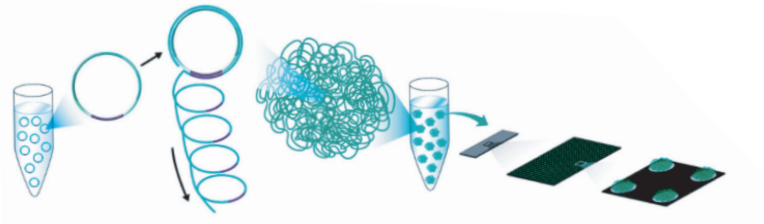
This experience is available to the global scientific community through our global service laboratories that operate under strict quality procedures, including ISO, CAP and CLIA, to deliver the highest quality data, in industry-standard file formats.

BGI Experience across
Whole Genome Sequencing applications

- GWAS and population studies
- Clinical Trials for Drug Discovery
- Pharmacogenomics
- Consumer Genomics
- Clinical research
- Evolution studies
- Rare disease studies
- Identification of somatic mutations in cancer
- Population genomics
- Cohort studies
- Biobanking projects

BGI's DNBSEQ™ technology: Better data

Proven DNBSEQ sequencing technology combines the power of DNA Nanoballs (DNB™), PCR-free Rolling Circle Replication, Patterned Nano Arrays and cPAS to deliver a new level of data clarity and affordability.



The combination of linear amplification and DNB technology reduces the error rate while enhancing the signal, resulting in real advantages.

NGS data from DNBSEQ technology is well documented with over 2035 peer-reviewed publications and is exclusively available from BGI.

- Highly **accurate** base calling.
- Much lower duplication rates for **more usable data**.
- Virtually **no index mis-assignment** for high throughput without loss of sample integrity.
- Higher **sensitivity** for identification of low-abundance/expressed species with high call confidence.

Who could say it better...

Than scientists who shared their samples for our field validation study of DNBSEQ Whole Genome Sequencing?

"The Data Quality is very good"
– Vanderbilt University, TN

"Very good value for quality WGS"
– Weill Cornell Medicine, NY

"The BGI team is organized and effective
The sequencing quality is excellent"
– University of Pittsburgh, PA

"The quality of the data is excellent.
More importantly, the price point is
highly competitive"
– Mayo Clinic, MN

Request for Information or Quotation

Contact your BGI account representative for the most affordable rates in the industry and to discuss how we can meet your specific project requirements or for expert advice on experiment design, from sample to bioinformatics.

info@bgi.com

www.bgi.com

BGI Offices

BGI Americas

One Broadway, 14th Floor
Cambridge, MA 02142,
USA

BGI Europe

Jutrzenki 12 A,
02-230 Warszawa,
Poland

BGI Asia

Building NO.7, BGI Park,
Yantian District Shenzhen,
Guangdong Province, China

BGI Australia

L6, CBCRC, 300 Herston
Road, Herston, Brisbane,
Queensland 4006, Australia

BGI Genomics BGI_Genomics

We Sequence, You Discover