

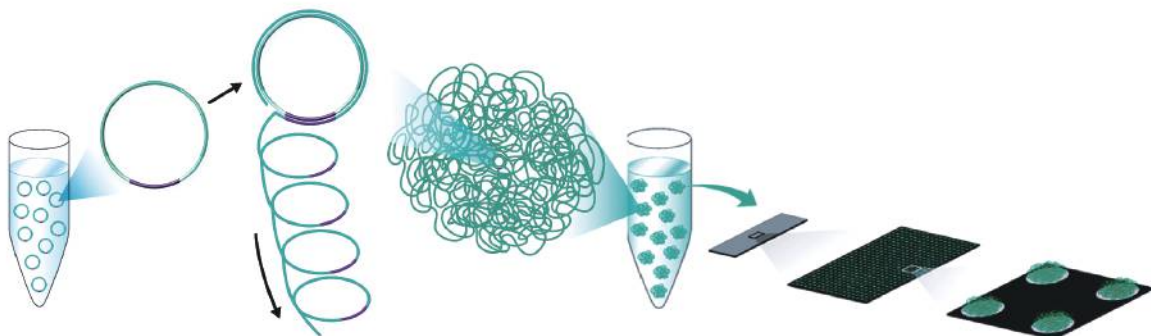
Genomics. Multi-Omics. And Beyond.

With over 10 years of sequencing experience, a global network of staff, a comprehensive service portfolio, and our own proprietary sequencing technology, we offer our customers a one-stop solution for reliable, cost-efficient and quality sequencing.

BGI's DNBSEQ™ Technology: Redefining Sequencing Quality

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 200+ 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.



Contract Research Sequencing Services

Human Whole Genome Sequencing

- Experience of processing more than 1,000,000 samples
- True PCR-Free for better InDel/SNP detection
- 10 days rapid service available

Single Cell Sequence

- Over 5 years of experience
- Multiple sample types processed
- BGI platform and 10X Genomics services available

Comprehensive product setting

- High throughput 10X Genomics single cell 3' RNA-seq and low throughput full length smart-seq II single cell RNA-seq

Plant & Animal Whole Genome Re-Sequencing

- Even coverage of reads and lower GC content bias
- Experience sequencing over 150 different species
- Higher data-use efficiency

Whole Exome Sequencing

- 10 days rapid service available
- FFPE, low input DNA, saliva samples accepted
- Experience of processing more than 100,000 samples

Metagenomic Sequencing

- Exploring microbial diversity and functional genomics free of pure culture
- Experience of processing 100,000 samples from a variety of environments
- Experience of mGWAS associated with chronic disease

Whole Genome Bisulfite Sequencing

- Even coverage of reads and reliable methylation profiling
- DNA input as low as 200ng and higher data-use efficiency
- Lower GC content bias

Transcriptome Sequencing

- Multiple Platforms: DNBSEQ™, PB Sequel and Oxford Nanopore
- Multiple protocols to fulfill different sample types
- Experience of processing more than 120,000 samples

Small RNA Sequencing

- Precise quantification by UMI technology
- Experience of processing more than 40,000 samples

De Novo Sequencing

- Multiple Platforms: PB Sequel, Oxford Nanopore, 10X Genomics, BioNano and Hi-C
- Assembled more than 250 species so far and published 200 species in top tier journals
- Professional, highly experienced team to help with project evaluation

Proteomics and Metabolomics

- A rich variety of mass spectrometers to satisfy different needs
- Providing gene-expression validating correlation analysis
- More than 10 years of MS experience in the fields of medical, agricultural and microbial research
- Published 217 papers with total IF 961

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.

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We Sequence, You Discover