

# The Whole Genome Sequencing solution to *Mycobacterium Tuberculosis*

## High degree of automation

With the automated library preparation system MGISP-100RS and analysis software, it can achieve automated library construction and data processing;

## Excellent sequencing data quality

The unique DNBSEQ sequencing technology provides high-quality sequencing data for downstream analysis.

## Fast sequencing speed

The PE150 on the DNBSEQ-G99 genetic sequencer can be completed within 12 hours;

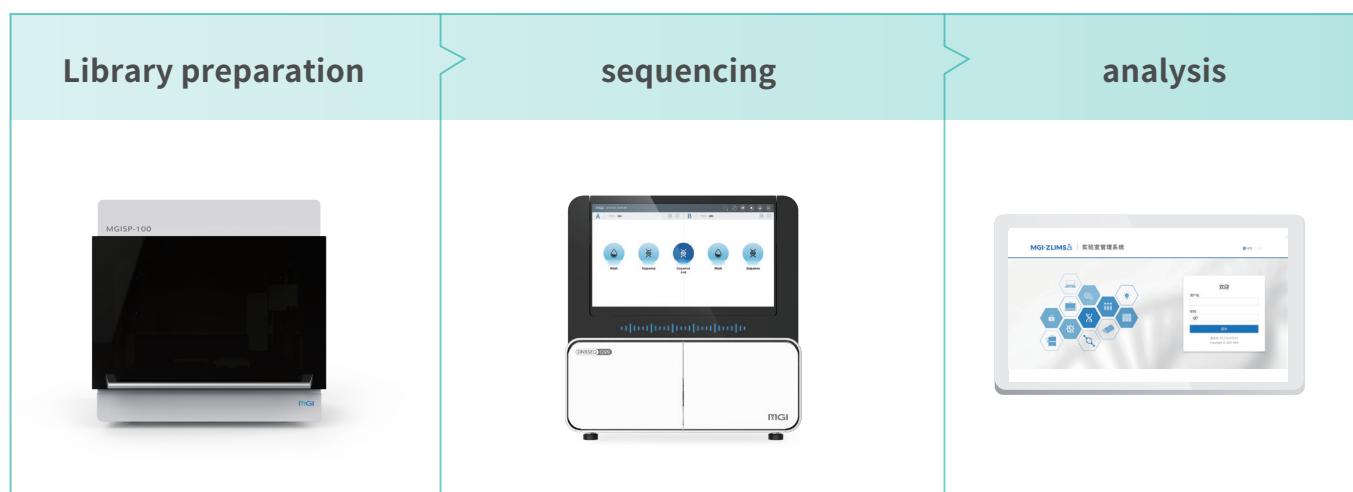
## Powerful analysis functions

The MGI proprietary software can provide various bioinformatics analysis like NTM classification, and genome assembly, mutation detection, drug resistance prediction, MTBC classification and evolutionary tracing of *Mycobacterium tuberculosis*.

## Product parameters

Application	Identification of tuberculosis strains, genome assembly, mutation detection, drug resistance prediction, and evolutionary tracing.
Applicable sample types	<i>Mycobacterium tuberculosis</i> single bacterium.
Recommended sample input amount	DNA $\geq$ 10ng
Cycle from nucleic acid to report	20 hours
Recommended sequencing read length	PE150+10+10
Recommended sequencing data volume	5M Reads

The *Mycobacterium tuberculosis* whole-genome sequencing combinational product provides complete solution from sample to result, covering the entire process for tuberculosis strain identification, genome assembly, mutation detection, drug resistance prediction, evolutionary tracing, and other analysis requirements.



## Ordering information

Product type	Product name	Specification	Cat. No.
Equipment	MGISP-100RS DNA sequencing Library Preparation System (WH)	Standard Configuration	900-000206-00
	Genetic Sequencer DNBSEQ-G99ARS	Advanced version	900-000609-00
Reagents	MGEasy Fast FS DNA Library Prep Set V2.0	16 RXN	940-001193-00
	MGEasy Fast FS DNA Library Prep Set V2.0	96 RXN	940-001194-00
	DNBSEQ OneStep DNB Make Reagent Kit V4.0 OS-Dual Barcode	4 RXN	940-001654-00
	DNBSEQ-G99RS High-throughput Sequencing Set (G99 SM FCL PE150)	FCL PE150	940-000410-00
software	MTB-Explorer Software	/	970-000385-00

MGI Tech Co.,Ltd

Building 11, Beishan Industrial Zone, Yantian District, Shenzhen, China

+86-4000-688-114

en.mgi-tech.com

MGI-service@mgi-tech.com

Version: June 2025

