



3500 Series Genetic Analyzer (Thermo Fisher Scientific)

Sanger sequencing is the gold standard for sequencing technology in that it provides a high degree of accuracy, long-read capabilities, and the flexibility to support a diverse range of applications in many research areas. Sanger sequencing is highly recognized for DNA sequencing applications, but also supports applications in RNA sequencing and epigenetic analysis.

Key applications	Areas of interest
De novo sequencing	Cancer research
Targeted DNA sequencing	Genetic disease research
Next-generation sequencing validation	Agriculture biology research
HLA sequencing	Pathogen detection and analysis
Microbial sequencing	Human identification
Mitochondrial sequencing	HLA typing
Gene expression analysis	Food testing
Methylation analysis	Epigenetic analysis