

## INOSeqX Series Automated Genetic Analyser / DNA Sequencers

### FEATURES

- Meet the requirements of STR analysis and gene sequencing
- All-open detection platform
- Fluorescence excitation efficiency 40% higher than foreign competing products
- Solid-state laser featuring stable power and long life
- Advanced thermal system enabling precise temperature control
- Smaller size
- User-friendly Windows 10 operating system and multi-language software interface

### Versatile Application Suite

The INOSeqX Series excels in a wide array of specialized genomic applications:

- Fragment Analysis & Disease Linkage Mapping
- SNP, SNPlex, and SNPshort Analysis
- Methylation & AFLP / MLPA Analysis
- LOH (Loss of Heterozygosity) & SSCP Analysis



The **INOVIALAB INOSeqX Series** is a high-performance genetic analysis platform specifically engineered for individual identification and kinship analysis within forensic DNA laboratories. As a fully **all-open platform**, the INOSeqX Series ensures seamless compatibility with reagent kits and consumables from leading global manufacturers, offering unparalleled flexibility in laboratory workflows.

This comprehensive ecosystem integrates precision hardware, optimized built-in reagent kits, advanced data capture software, and expert analysis tools. It is the definitive solution for handling complex forensic cases and constructing robust DNA databases with clinical-grade reliability.



#### Reproductive Health

- Trisomy 21 and Sex Chromosome Polyploidy Screening
- Y Chromosome Microdeletion Analysis
- Folate Metabolism of Folate Metabolism
- Fragile X Syndrome Test
- HPV Genotyping



#### Infectious Diseases

- Sensitive Infection Diagnosis (Hepatitis B, Hepatitis C, Tuberculosis, HIV)
- Respiratory Tract Infections Panel
- Diarrhea Causing Agent Analysis



#### Tumor

- Targeted Cancer Therapies (EGFR, KRAS, BRAF, C-KIT, ALK, ROS1, NRAS, PDGFRA, PIK3CA, P53, BRCA1/2, ...)
- Chemotherapy Drug Response Panel (UGT1A1, DPD, 5-Fu Drug, Platinum Guide)
- Microsatellite Instability (MSI) Detection



#### Hereditary Diseases

- Neonatal Jaundice Genetic Analysis (UGT1A1)
- Hereditary Genetic Hearing Loss Panel
- Dravet Syndrome (SCN1A) Detection
- HLA Tissue Typing



#### Blood Diseases

- Blood Diseases and Diagnosis of Slour
- Treatment Planning / Reference
- Prognosis Evaluation (AML, ALL, CLL, CML, MPN, MDS...)



#### Cardio-Cerebrovascular

- Alcohol Metabolism and Nitroglycerin Efficacy (ALDH2)
- Personalized Drug Use Guides (Clopidogrel, Warfarin) (CYP2C9 / VKORC1)

