

# Available Research Services



## About Geneplore

Geneplore (GXDR) is committed to cater the growing need of the clinical diagnostics field with the aid of current genomic and cytogenetic technologies. It has more than a decade long experience in clinical genetic testing helping the clinicians to unravel the molecular as well as genetic cause of diseases and disorders in patients.

GXDR also provides a platform for training, undertaking dissertation and research projects to students, faculty, doctors and other stakeholders to pursue updating their skills and research in this frontier science discipline. Every year students from various universities undergo training and pursue research at our centre. A spectrum of tools such as basic Karyotyping, FISH, NGS, Microarray, etc. are available for this purpose.

## Our Services

### Sanger Sequencing

- 16S rRNA sequencing-Bacteria
- ITS sequencing-Fungi • RBCL Sequencing-Plant
- COI sequencing-Vertebrates and Invertebrates

### Whole Genome Sequencing & Bioinformatics

- Shot read sequencing
- Bacteria, Fungi, Plant

### Cell culture

- Cytogenetics
- Authentication of Cell-line
- MTT assay for cytotoxicity

### 16S metagenomics

- Based on the 7HV of 16S rRNA
- Biological samples (clinical as well as non-clinical)
- Environmental and Food samples

### RT-PCR and Microarray

- Gene expression based study

### Microbiology

- Culture isolation and identification
- AMR studies
- Antibacterial testing
- WGS of microorganisms

## Why Choose Us



**Advanced Technology and State-of-the-Art Facility** precise and accurate results, crucial for modern-day research areas.



**Comprehensive Genomic Solutions:** Provides a complete spectrum of genomic services, from basic karyotyping and FISH to advanced NGS-based panel studies.



**Experienced Team** With over a decade of experience in research, team brings expertise and knowledge that enhances the quality of services, offering reliable insights into the field of research Microbial

