

# BIOMEDICA AND GENOMICS



## Key Areas

### 1. Synthetic Biology

- DNA/RNA Synthesis
- Protein Engineering

### 2. Proteomics and Transcriptomics

- Protein-DNA Interactions
- RNA Profiling

### 3. Pathway and Systems Biology

- Metabolic Pathway Analysis
- Multi-Omics Integration

### 4. Biotechnology and Biomanufacturing

- Strain Optimization
- Bioengineering

### 5. Agricultural and Environmental Genomics

- Crop Improvement
- Microbial Genomics

### 6. Molecular Biology Reagents

### 7. Genomics Research

- Sequencing
- Gene Expression Analysis
- Epigenetics

### 8. Genotyping and Genetic Variations Analysis

- SNP Genotyping
- Marker Assisted Selection

### 9. Functional Genomics

- Gene Editing
- RNA Interference



## Key Products

### 1. Nucleic Acid solutions Kits & Reagents

- Manual and Automated Solution for DNA/RNA Extraction
- cDNA Synthesis Kits
- RNA Stabilization Solutions

### 2. PCR and qPCR Reagents

- Taq Polymerases
- qPCR Master Mixes
- Multiplex qPCR Reagents
- KASP Genotyping Assays

### 3. Next-Generation Sequencing (NGS) Platforms and Consumables

- Next-Generation Sequencing (NGS) Platforms
- Library Preparation Kits
- 16S rRNA Sequencing Kits
- Sequencing Reagents

### 4. Cloning and Gene Editing Tools

- Restriction Enzymes
- Ligation Enzymes
- CRISPR- Reagents
- Expression Vectors

### 5. Epigenetics Kits and Reagents

- Methylation Detection Kits
- ChIP

### 6. Synthetic Biology Reagents

- Oligonucleotides
- Probes and Primers
- Custom Plasmid Services
- Enzymes for Synthesis
- Competent Cells
- Transcription Kits

### 7. Functional Assay Kits

- Reporter Gene Assays
- RNA Interference Reagents
- Cell Viability and Proliferation Assays

### 8. Pathway Analysis and Multi-Omics Tools

- Data Integration Software
- Assay Kits for Metabolic Studies
- Proteomics Metabolomics Transcriptomics

### 9. Laboratory Equipment & Consumables

- Thermal Cyclers
- Sequencers
- Buffers, Agarose
- Filter Tips, Tubes, Pipettes, Multi-Well Plates

