

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 Methabolomics Transcriptomics

9. Laboratory Equipment & Consumables

- Thermal cyclers
- Sequencers
- Buffers, Agarose

