Genomics



□ Plasmid Purification

Standard High Purity Plasmid Isolation Rapid Plasmid Isolation Endotoxin-Free Plasmid Isolation Yeast Plasmid Isolation Colony Screening Column Regeneration Accessories

Genomic DNA Purification

DNA from Blood DNA from Tissue & Cells DNA from FFPE DNA from Saliva & Forensic Samples DNA from Soil, Stool & Water DNA from Insect & Invertebra DNA from Plants DNA from Fungi DNA from Yeast & Bacteria DNA from Biofilms Column Regeneration

□ RNA Purification

RNA from Blood RNA from Tissue & Cells RNA from FFPE RNA from Soil RNA from Insect, Invertebra, Plants, Fungi, Yeast & Bacteria RNA from Biofilms Total RNA Reagents miRNA/mRNA Isolation RNA Stabilization RNA Synthesis Reagents

□ High Throughput DNA/RNA Purification

High Throughput Kits Filter Plates Extraction Systems

DNA & RNA Storage

Standard PCR Reagents Hot Start PCR Reagents High Fidelity PCR Reagents Long Range PCR Reagents Direct PCR Reagents DNA Preparation dNTPs & Buffers PCR Cyclers

□ Real-Time PCR

TaqMan Probe qPCR SYBR Green qPCR cDNA Synthesis One-Step qRT-PCR Master Mixes Genotyping microRNA Profiling Reference Gene Assays qPCR Cyclers

PCR Plastics & Hoods

PCR Tubes & Strips PCR Plates Sealing Films, Foils & Mats Rollers & Heat Sealers PCR Hoods

Molecular Biology Reagents

DNA & RNA Labeling

DNA & RNA DNA RNA Arrays

Electrophoresis & Blotting

Agarose & Gels Gel System, Horizontal Acrylamide & Gels Gel System, Vertical Power Supplies Loading Dyes & Buffers Markers & Ladders Running Buffers Stains Complete Gel Systems and Kits Blotting

□ Detection

Gel Documentation Gel Systems Spectrophotometers & Plate Readers UV/Radiation Protection

DNA/RNA Clean-Up

PCR Clean-Up DNA/RNA Clean-Up DNA/RNA Gel Extraction

□ Modifying & Restriction Enzymes

Restriction Modifying Genome Editing Electroporation Inhibitors

□ Cloning & Synthetic Biology

PCR Cloning Kits DNA Assembly Site Directed Mutagenesis Vectors & Expression Systems Competent Cell Generation Kits Competent Cells Induction Reagents

LABORATORY CHECKLIST

Genomics



Reagents Buffers

□ Electroporation

Electroporators Cuvettes & Accessories Reagents

🗆 RNAi

□ Analysis

Epigenetics Next Generation Sequencing Sanger Sequencing Microarray Preparation Microarray Slides & Hybridization Chambers Microarray Instrumentation Oligo HPLC DNA Shearing System

Equipment & Instruments

Block Heaters Centrifuges Cryogenic Storage Homogenizers Hot Plate Stirrers Incubators Incubators, CO₂ pH Meters Refrigerators & Freezers Shakers/Rockers Thermometers Vacuum Concentrators Vortexers Water Baths Water Systems

□ Liquid Handling

Aspirating, Transfer & Pasteur Pipets Genomic Pipet Tips **Pipet Controllers** Pipettors **Pipet Tips** Reservoirs Robotic Tips Serological Pipets Laboratory Plasticware **Cryogenic Plastics** Culture Tubes Microcentrifuge Tubes Plates Sealing Films, Foils & Mats Tubes, Centrifuge, Conical Bottom Tubes, Centrifuge, Oak Ridge Tubes, Library and Storage Tube Racks

Lab Essentials

Alcohols & Solvents Cleaning & Disinfection Eyewear Forceps Gloves, Cryogenic Gloves, Disposable Gloves, Heat Resistant Lab Coats Safety Safety Cabinets Seating Shelving Timers