

Proteomics



PROTEIN EXPRESSION

- Protein Expression**
 - Ultra-Pure
 - Tightly Controlled
 - Routine
 - Mammalian
- Prokaryotic Cells**
 - PET Vectors for Gateway Cloning
 - Induction Reagents
 - Competent Cells
 - Electroporation
- Transfection**
 - Insect Cells
 - Mammalian Cells
- Antibiotics**

PROTEIN EXTRACTION

- Lysis and Extraction Enhancement**
 - Protease Inhibitor Cocktails
 - Protease Inhibitors
 - Phosphatase Inhibitor Cocktails
- Prokaryotic, Yeast, Plant and Insect Cells**
- Mammalian Cells**
 - Total Protein Extraction
 - Cytoplasmic/Nuclear Protein Extraction
 - Cytoplasmic/Mitochondrial Protein Extraction
 - Membrane Protein Extraction
 - Sub-Cellular Protein Extraction
- Human Plasma/Serum**
- Detergents**
- Cell Disruption**

PROTEIN PURIFICATION

- Affinity Purification**
 - His-Tag
 - GST-Tag
 - Strep-Tag
 - Fusion-Tag Removal
 - Protein A and Protein G
 - Coupling Reagents and Kits
- IEX Purification**
 - Anion/Cation Exchange
- Size Exclusion (SEC)**
- Hydrophobic Interaction (HIC)**

- Mixed-Mode**
- Empty Columns**
- Ultrafiltration**
 - Spin Devices
 - UF Plates
 - TFF
- Dialysis**
 - Ready-to-Use
 - Tubing
 - Tubing Accessories
- Clean-Up**

PROTEIN ANALYSIS AND DETECTION

- Protein Quantification Assays**
- Electrophoresis**
 - Vertical Gel Tanks and Blotting System
 - 2D
 - IEF
 - Power Supplies
 - Pre-Cast Gels
 - Acrylamide
 - Protein Markers
 - Running Buffers
 - Loading Buffers
 - Stains and Dyes
- Western Blotting**
 - Blotters
 - Blotting Membranes
 - Blocking, Wash and Transfer Buffers
 - Kits
 - Colorimetric Substrates
 - Fluorescent Labeling and Detection Reagents
 - Chemi-Luminescent Labeling and Detection Reagents
 - Autoradiography Films and Accessories
 - Stripping Buffers
- Mass Spectrometry**
 - Sample Preparation
 - Analysis Tools
- Instruments**
 - Microplate Readers
 - Washers
 - Dispensers
 - Spectrophotometers
 - Protein Analysis/BLItz Platform