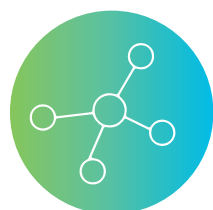


# Proteomics

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### PROTEIN EXPRESSION

- Protein Expression**
  - Mammalian
  - Routine
  - Tightly Controlled
  - Ultra-Pure
- Prokaryotic Cells**
  - Competent Cells
  - Electroporation
  - Induction Reagents
  - PET Vectors for Gateway Cloning
- 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**
  - Cytoplasmic/Mitochondrial Protein Extraction
  - Cytoplasmic/Nuclear Protein Extraction
  - Membrane Protein Extraction
  - Sub-Cellular Protein Extraction
  - Total Protein Extraction
- Human Plasma/Serum**
- Detergents**
- Cell Disruption**

### PROTEIN PURIFICATION

- Affinity Purification**
  - Coupling Reagents and Kits
  - Fusion-Tag Removal
  - GST-Tag
  - His-Tag
  - Protein A and Protein G
  - Strep-Tag
- IEX Purification**
  - Anion/Cation Exchange

- Size Exclusion (SEC)**
- Hydrophobic Interaction (HIC)**
- Mixed-Mode**
- Empty Columns**
- Ultrafiltration**
  - Spin Devices
  - TFF
  - UF Plates
- Dialysis**
  - Ready-to-Use
  - Tubing
  - Tubing Accessories
- Clean-Up**

### PROTEIN ANALYSIS AND DETECTION

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