Instruments for Life Science Research

Semba Biosciences

Semba Biosciences — Simulated Moving Bed Chromatography Systems for Molecular Separations

The Semba Octave™ Chromatography System is a fully automated SMBC (Simulated Moving Bed Chromatography) system for research and preparative scale molecular purification. This sytems enables:

- High-throughput production of proteins, antibodies, enantiomeric compounds, carbohydrates, etc.
- Continuous purification from crude cell lysates or racemic mixtures
- Scalable from milligrams to tons of purified product
- Unparalleled efficiency in column usage and lower solvent consumption
- Simple system set-up and parameter optimization

Labnet

LabNet MultiGene™ Gradient Thermal Cycler

Precision Thermal Control
- Rapid heating and cooling
- Achieved by six Peltier modules

Fully Adjustable Heated Lid
- Provides the optimum pressure for use with different height tubes as well as plates

Easy Programming
- Simple on-screen instructions guide the user through the programming process

Gradient Capability
- Can be programmed to operate with uniform temperature across the block for consistent results, or with a temperature gradient for protocol optimization

LabNet Enduro Gel XL Complete Electrophoresis System

Labnet's Enduro Gel XL includes all components necessary to cast and run horizontal gels.

- **Power:** 150v/400ma
- **Control:** Set voltage, amperage and time
- **Flexibility:** Runs 6 x 6cm to 12.5 x 12cm gels
- **Throughput:** Up to 112 samples at once
- **Convenience:** Casting set and combs included
- Features a detachable power supply

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Lynking Quality Products and Support to your Research

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Elchrom Scientific Origins

Elchrom Scientific
Excellence in Electrophoresis

Versatility
- One system for different applications (microsatellite based genotyping, point mutation detection, high throughput quality control and many others

High Throughput
- Up to 400 samples can be run simultaneously

No «smiling»
- Heat is evenly removed from the gel surface

Improved linearity of the electric field and laminar buffer flow

Integrated Heating/Cooling System
- No need for external water bath and temperature probe

Integrated pump for buffer circulation
- Constant temperature and constant pH even in the vicinity of the electrodes

ISOGEN
LIFE SCIENCE

Isogen Life Science Proxima Imaging Systems

- Unique, patented, image-positioning tool allows fast and easy gel handling and alignment, just place your sample anywhere on the transilluminator and close the compartment cover
- Slant-correction ensures optimal sample orientation for 'straight' visualization

True multi-fluorophore capabilities
- Ideally suited for genomics and proteomics applications

Small footprint saves precious bench space
- Ergonomic design for easy sample loading

Fully upgradeable
- Designed to provide you with an optimal solution as your research needs develop and change

Biosensing Instrument High Performance and Versatile Surface Plasmon Resonance Instruments

Bi Biosensing Instrument

- High quality Surface Plasmon Resonance (SPR) instruments
- A sensitive, label-free technology to detect both large and small analytes, and to study slow and fast kinetics
- Wide dynamic range and high sensitivity for both large and small molecules (<100 Daltons)
- Broad response time for slow (hours) and fast (< ms) kinetic processes

Applications Include:
- Gene assays (e.g. single nucleotide polymorphism) and DNA/DNA interactions
- Immunosensing (ligand-receptor, antibody-antigen, etc.)
- DNA/protein, protein/protein and protein/drug interactions
- Protein unfolding and conformational changes
- Drug discovery and development

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