Protein Interaction Analysis

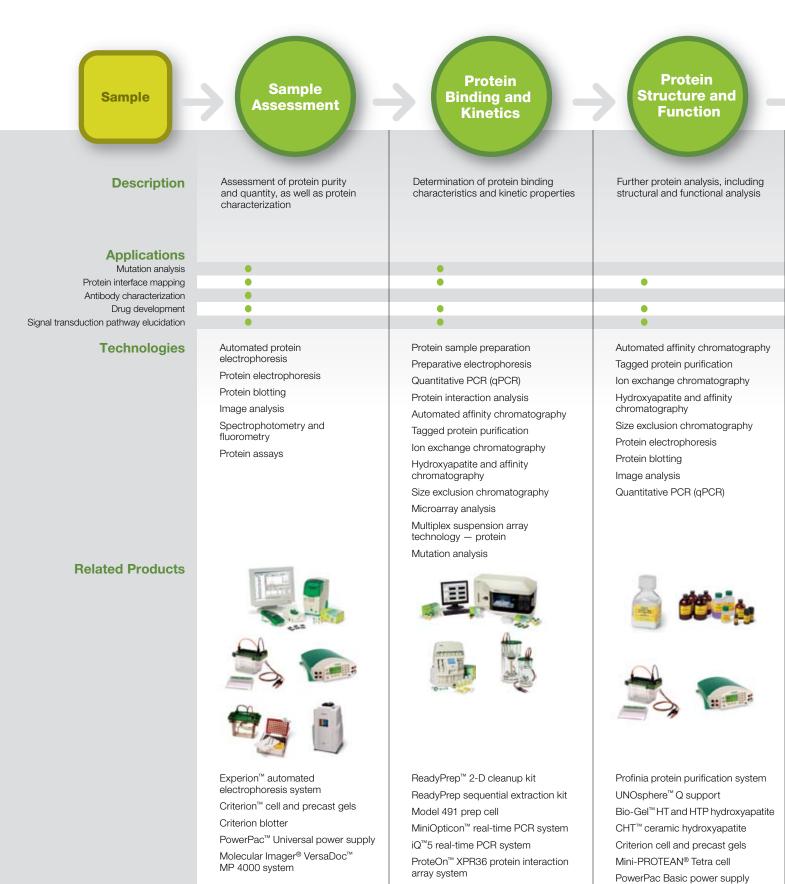


Life Science Research Protein Interaction Analysis





Protein Interaction Analysis



Profinia[™] protein purification system

Profinity[™] IMAC and GST resins

Molecular Imager VersaDoc

MP 4000 system

Protein Profiling and Quantitation

Validation

Protein Kinetics

Profiling and identification of proteins

Validation of the biological role

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Surface-enhanced laser desorption/ionization (SELDI)

Liquid chromatography-tandem mass spectrometry (LC-MS/MS)

Protein electrophoresis Protein blotting Image analysis Isoelectric focusing Lipid-mediated transfection Electroporation Data analysis and bioinformatics Proteins play a crucial role in cellular structure and function. The search, discovery, and characterization of proteins is the first step in understanding how each protein participates in a biological process. The next logical step is to understand how a protein functions: What binding patterns exist? Is this protein involved in a network? How does one protein interface with another? What are the binding dynamics?

The ProteOn XPR36 system bridges the gap between discovery and function, providing the ability to understand protein interactions with the efficiency, flexibility, and versatility of parallel processing.

Bio Rad provides the most accessible highthroughput tools for multiplexing to provide protein function researchers with rapid and consistent results from the biophysical characterization of a protein to defining its biological role.





ProteinChip® SELDI system





PROTEAN® IEF system Criterion cell and precast gels Molecular Imager® PharosFX™ system siLentFect™ lipid reagent for RNAi TransFectin™ lipid reagent Gene Pulser Xcell™ total system Gene Pulser®/MicroPulser™ cuvettes For a complete list of products and related product information, refer to the 2006/2007 catalog, visit us on the Web at **www.bio-rad.com**, or contact your local Bio-Rad representative.

Ordering Information

Catalog # Description

Catalog #	Description	
Sample Assessment		
700-7000	ExperionSystem, for protein analysis (analysis kits	
	sold separately)	
165-6001	CriterionCell	
Varies	CriterionTris-HCI Gels	
170-4071	CriterionBlotter With Wire Electrodes	
170-4070	CriterionBlotter With Plate Electrodes	
164-5070	PowerPacUniversal Power Supply	
170-8640	Molecular Imager VersaDoc MP 4000 System,	
	PC or Mac, includes CCD camera, darkroom, power	
	supply, cables, epi-illumination, transillumination,	
	fluorescent reference plate, focusing target,	
	Quantity One software, instructions	
170-2525	SmartSpec Plus Spectrophotometer	
170-2402	VersaFluor Fluorometer	
500-0205	Quick Start [™] Bradford 1x Dye Reagent, 1 L	
Protein Bindir	ng and Kinetics	
163-2130	ReadyPrep 2-D Cleanup Kit, 50 preps	
163-2100	ReadyPrepSequential Extraction Kit, 5–15 preps	
170-2926	Model491 Prep Cell, 100/120 V	
170-2927	Model 491 Prep Cell, 220/240 V	
170-2800	MicroRotoforCell Kit, 100/120 V	
170-2801	MicroRotofor Cell Kit, 220/240 V	
170-2802	MicroRotoforSystem, 100/120 V, includes kit with	
	PowerPac HV power supply	
170-2803	MicroRotoforSystem, 220/240 V, includes kit with	
	PowerPac HV power supply	
CFB-3120	MiniOpticon Real-Time PCR System, includes optical	
170 0700	housing, MJ Mini thermal cycler, analysis software	
170-9780	iQ5Multicolor Real-Time PCR Detection System,	
	includes iCycler base, optics module, software	
	CD-ROM, 5 installed filter sets, 96-well reaction	
	module, calibration solutions, optical-quality 96-well PCR plates, Microseal 'B' seals, communication	
	cables, power cord, quick reference cards, instructions	
176-0100	ProteOnXPR36 Protein Interaction Array System	
176-5011	ProteOn GLC Sensor Chip	
176-5012	ProteOn GLM Sensor Chip	
176-5021	ProteOn NLC Sensor Chip	
176-1010	ProteOn One-Shot Kinetics Kit	
176-1020	ProteOnMultiple Protein Interaction Kit	
176-1030	ProteOn Protein-Small Molecule Kit	
620-1009	ProfiniaProtein Purification System, includes	
	cleaning tray, inline filter pack, 2 x 50 ml sample lids,	
	2 x 15 ml sample lids, bottle starter pack, waste/diluent	
	bottle set, Profinia software	
156-0121	Profinity IMAC Uncharged Resin, 10 ml	
156-0131	Profinity IMAC Ni-Charged Resin, 10 ml	
732-4612	Bio-Scale Mini Profinity IMAC Cartridge, 1 x 5 ml	
732-4622	Bio-Scale Mini Profinity GST Cartridge, 1 x 5 ml	
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Catalog #	Description
169-2000	BioOdyssey Calligrapher MiniArrayer, 115 V
169-2100	BioOdyssey Calligrapher MiniArrayer, 230 V
171-000201	Bio-Plex 200 System
171-000205	Bio-Plex200 System With HTF, includes
	high-throughput fluidics
Varies	DCode System for DGGE
Protein Struct	ture and Function
732-4100	UNOsphere Q Bio-Scale Mini Q Cartridges, 5 x 1 ml
130-0150	Bio-Gel HT Hydroxyapatite, hydrated, 250 ml
158-2000	CHT Ceramic Hydroxyapatite, Type I, 20 µm, 10 g
165-8031	Mini-PROTEAN Tetra Cell and Mini Trans-Blot Cell
164-5050	PowerPac Basic Power Supply
Protein Profili	ing and Quantitation
Z50-00011	ProteinChip SELDI System, Enterprise Edition, 115 V
Z50-00013	ProteinChip SELDI System, Personal Edition, 115 V
Z50-00021	ProteinChip SELDI System, Enterprise Edition, 230 V
Z50-00023	ProteinChip SELDI System, Personal Edition, 230 V
Varies	ProteinChip Arrays
Varies	ProteinChip Energy Absorbing Molecules (EAMs)
C10-00001	ProteinChip Protein Calibrant Kit
C10-00002	ProteinChip Peptide Calibrant Kit
Validation	
165-4000	PROTEANIEF System, 90–240 VAC
170-9460	Molecular Imager PharosFX Plus System, PC or
	Mac, includes Quantity One software
170-3360	siLentFect Lipid Reagent for RNAi, 0.5 ml
170-3350	TransFectin Lipid Reagent, 0.5 ml
165-2660	GenePulser Xcell Total System, for mammalian and
	microbial cells
165-2088	Gene Pulser/MicroPulser Cuvettes, 0.4 cm gap, 50
170-9300	FPQuest [™] Software
Varies	InfoQuest [™] FP Software

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Bio-Rad's real-time thermal cyclers are licensed real-time thermal cyclers under Applera's United States Patent No. 6,814,934 B1 for use in research and for all other fields except the fields of human diagnostics and veterinary diagnostics.

Purification of fusion proteins may require a license from third parties.

The SELDI process is covered by U.S. Patents 5,719,060, 6,225,047, 6,579,719, 6,818,411 and other issued patents and pending applications in the U.S. and other jurisdictions.



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