

Table of Contents

General Information	5	Quantitation	55
Sample Preparation	7	FluoroProfile®	55
Sample Prep Selection Guide	7	BCA	56
Protein Extraction	7	Lowry	57
Protein Depletion	8	Bradford	58
Organelle Enrichment and Analysis	10	Micro Pyrogallol	59
Protein Enhancement	12	Expression Profiling	60
Extraction	13	Antibody Arrays	60
Native Protein	13	Separation	64
ProteoPrep® Universal Extraction Kit	13	Electrophoresis	64
ProteoPrep Membrane Extraction Kit	13	MW Markers	64
ProteoPrep Sample Extraction Kit	14	Protein Staining Reagents	73
Recombinant Protein	15	Chromatography	83
Cell Lysis	15	Affinity	83
Bacterial Lysis	15	Supelco Discovery® Columns (for HPLC)	85
Mammalian Lysis	17	Recombinant Protein Expression	90
Plant Lysis	19	FLAG®	90
Yeast Lysis	20	Affinity Gels	90
Sample Fractionation & Enrichment	21	Peptides	90
Abundant Protein Depletion	21	Antibodies	91
ProteoPrep 20	21	Antibody Conjugates	92
ProteoPrep Immunoaffinity	23	Secondary Antibodies	93
ProteoPrep Blue	24	Control Proteins	94
Post-Translational Modification	25	Plates and Kits	95
PhosphoProfile™ I	25	HIS-Select®	99
PHOS-Select™	26	Affinity Gel	100
Glycosylation	29	Spin Column	102
Lectins	39	Plates	102
Organelle Enrichment	43	Buffers	103
Mitochondrial Isolation	43	iLAP®	105
Cytochrome c Oxidase	44	Kits	106
Chloroplast Isolation	45	EZview™	111
Lysosome Isolation	46	MAT	112
Endoplasmic Reticulum Isolation	47	Vectors	113
Cytochrome c Reductase (NADPH)	48	Detection and Purification Selection Guide	117
Golgi Isolation	49	Epitope Tag Removal	130
Peroxisome Isolation	50	Detection	131
Catalase Assay	50	Western Blotting	131
Additional Reagents	51		
Reduction & Alkylation Kit	51		
Precipitation Kit	51		
Protease & Phosphatase Inhibitors	52		
Detergent Sampler	54		

Table of Contents

Identification & Characterization	136	Books	171
Mass Spectrometry	136	Appendix	177
Trypsin and Protease Selection Guide.....	136	Cloning and Expression.....	177
Sample Preparation	136	FLAG and 3xFLAG™ Overview	177
Trypsin.....	138	Bacterial Expression Vectors.....	179
MiniTips™	141	Mammalian Expression Vectors.....	188
¹⁸ O Labeling	143	BICEP™ Expression Vectors.....	196
Expression Analysis & Quantitation	145	Expression/Cloning System Kits.....	197
Guanidination Kit.....	145	Transformation/Transfection	202
AQUA	146	Competent Cells in Convenient Formats.....	202
SILAC	151	Transfection Reagents.....	205
Standards & Calibrants	152	Cell Culture Media	209
ProteoMass™ Calibrant Selection Guide	152	Microbial Media	210
Universal Proteomics Standard.....	154	Sterilized Liquid Media.....	213
MALDI.....	155	Media Supplements/Clonal Selection Reagents	214
Additional Reagents	157	DNA Modifying Enzymes/Restriction Enzymes.....	218
MALDI matrices	157	Reporter Gene Analysis and Detection.....	222
CHROMASOLV® Solvents.....	157	Risk & Safety	224
BioNMR	158	Indices	229
Media	158	Catalog Number Index.....	229
X-Ray Crystallography	159	Product Name Index.....	236
Kits	159		
Custom Services	163		
Custom Peptides.....	163		
Custom AQUA	165		
PEPscreen®: Custom Peptide Libraries	166		
Custom Antisera	169		

