

GE Healthcare

Protein Sample Preparation

Get it right from the start





Untagged Protein Enrichment	Code No.							Description
		2-D Electrophoresis	1-D Electrophoresis	Liquid Chromatography	From 2-D Elpho to MS	From 1-D Elpho to MS	Protein Expression	
NHS HP SpinTrap™	28-9031-28	•						• Bulk NHS HP Sepharose™ and empty spin columns for coupling of an affinity molecule with a primary amine
NHS HP SpinTrap Buffer Kit	28-9135-69	•						• Buffers for immunoaffinity enrichment using the NHS HP SpinTrap
Streptavidin HP SpinTrap	28-9031-30	•						• Coupling of a biotinylated affinity molecule, spin column format
Streptavidin HP SpinTrap Buffer Kit	28-9135-68	•						• Buffers for immunoaffinity enrichment using the Streptavidin HP SpinTrap
Streptavidin HP MultiTrap™	28-9031-31	•						• Coupling of a biotinylated affinity molecule, larger sample series or automation
Protein A HP SpinTrap	28-9031-32	•						• Coupling of an IgG affinity molecule, spin column format
Protein A HP MultiTrap	28-9031-33	•						• Coupling of an IgG affinity molecule, large sample series or automation
Protein G HP SpinTrap	28-9031-34	•						• Coupling of an IgG affinity molecule, spin column format
Protein A/G HP SpinTrap Buffer Kit	28-9135-67	•						• Buffers for immunoaffinity enrichment using the Protein A HP SpinTrap, Protein G HP SpinTrap and Ab SpinTrap
Protein G HP MultiTrap	28-9031-35	•						• Coupling of an IgG affinity molecule, larger sample series or automation
Ab SpinTrap	28-4083-47	•						• Coupling of an IgG affinity molecule, spin column format, larger pack size
Immunoprecipitation Starter Pack	17-6002-35	•						• Coupling of an IgG affinity molecule, batch application
Phos SpinTrap Fe	28-9298-81							• Enrichment of phosphorylated peptides, spin column format, IMAC precharged with Fe
Small-scale Antibody Purification								
Protein A HP SpinTrap	28-9031-32						•	Purification of IgG, spin column format
Protein A HP MultiTrap	28-9031-33						•	Purification of IgG, larger sample series or automation
Protein G HP SpinTrap	28-9031-34						•	Purification of IgG, spin column format
Protein G HP MultiTrap	28-9031-35						•	Purification of IgG, larger sample series or automation
Ab SpinTrap	28-4083-47						•	Purification of IgG, spin column format, larger pack size
Ab Buffer Kit	28-9030-59						•	Buffers for antibody purification using the Protein A HP SpinTrap, Protein G HP SpinTrap and Ab SpinTrap



Sample preparation for:

Liquid Chromatography (e.g., ÄKTA™, MDLC)

Differential expression

Lysis/Protein extraction

Sample Grinding Kit, Protein Extraction Buffer kits, triplePrep

Enzyme Regulation

Nuclease Mix, Protease Inhibitor Mix

High Abundant Protein Depletion

Albumin and IgG Removal Kit

Buffer Exchange/CleanUp

PD family, Sephadex G-25 and G-10

Protein Concentration

Vivaspin™ family

Tagged protein expression

GST-tagged Protein Expression

pGEX vectors and primers, pEZZ 18 vector, *E. coli*, M13K07 Helper Phage

Enzyme Regulation

Nuclease Mix, Protease Inhibitor Mix

Tagged protein purification

GST, Histidine, MBP, Strep(II) cleavage enzymes & detection

Buffer Exchange/CleanUp

PD family, Sephadex™ G-25 and G-10

Protein Concentration

Vivaspin family

Antibody purification

Protein A & G





Enzyme Regulation	Code No.	2-D Electrophoresis	1-D Electrophoresis	Liquid Chromatography	From 2-D Elpho to MS	From 1-D Elpho to MS	Protein Expression	Mass Spectrometry	Description
Protease Inhibitor Mix	80-6501-23	•	•	•			•	•	Protease inhibitor cocktail
Nuclease Mix	80-6501-42	•	•	•			•	•	Cocktail of nucleases for the removal of DNA and RNA from the protein sample
Fractionation									
2D Fractionation Kit	80-6501-04	•	•	•				•	Fractionation of the total protein in sample in six discrete fractions
Total Protein Quantitation									
2D Quant Kit	80-6483-56	•	•	•	•	•	•	•	Quantitation of the protein amount using a colorimetric assay
NanoVue™	28-9232-16	•	•	•			•	•	Drop. Measure. Done. Spectrofotometer handling 0.5 - 2µl sample volume
Protein Depletion									
Albumin and IgG Removal Kit	RPN6300	•	•	•					Removal of albumin and IgG from a protein sample, spin format
Lysis/Protein Extraction									
Sample Grinding Kit	80-6483-37	•	•	•			•	•	The mechanical breaking up of cells or tissue releasing the total protein content
Yeast Protein Extraction Buffer Kit	28-9440-45	•	•	•			•		Extraction of proteins from yeast cells
Mammalian Protein Extraction Buffer	28-9412-79	•	•	•			•	•	Extraction of proteins from mammalian cells
2-D Protein Extraction Buffer Trial Kit	28-9435-22	•	•	•			•	•	Total protein extraction from tissues and cell lines trial kit with six different buffers for optimization of the method for 10 ml solution of each buffer
2-D Protein Extraction Buffer-I	28-9435-23	•	•	•			•	•	Protein extraction buffer - larger volume of Buffer-I in the trial kit, for 50 ml solution
2-D Protein Extraction Buffer-II	28-9435-24	•	•	•			•	•	Protein extraction buffer - larger volume of Buffer-II in the trial kit, for 50 ml solution
2-D Protein Extraction Buffer-III	28-9435-25	•	•	•			•	•	Protein extraction buffer - larger volume of Buffer-III in the trial kit, for 50 ml solution
2-D Protein Extraction Buffer-IV	28-9435-26	•	•	•			•	•	Protein extraction buffer - larger volume of Buffer-IV in the trial kit, for 50 ml solution
2-D Protein Extraction Buffer-V	28-9435-27	•	•	•			•	•	Protein extraction buffer - larger volume of Buffer-V in the trial kit, for 50 ml solution
2-D Protein Extraction Buffer-VI	28-9435-28	•	•	•			•	•	Protein extraction buffer - larger volume of Buffer-VI in the trial kit, for 50 ml solution
illustra™ triplePrep kit	28-9425-44	•	•	•				•	Extraction of DNA, RNA and protein from the same undivided sample

Sample preparation for:

2-D Electrophoresis and DIGE

Differential expression

Lysis/Protein extraction

Sample Grinding Kit, Protein Extraction Buffer kits, triplePrep

Enzyme Regulation

Nuclease Mix, Protease Inhibitor Mix

High Abundant Protein Depletion

Albumin and IgG Removal Kit

Buffer Exchange/CleanUp

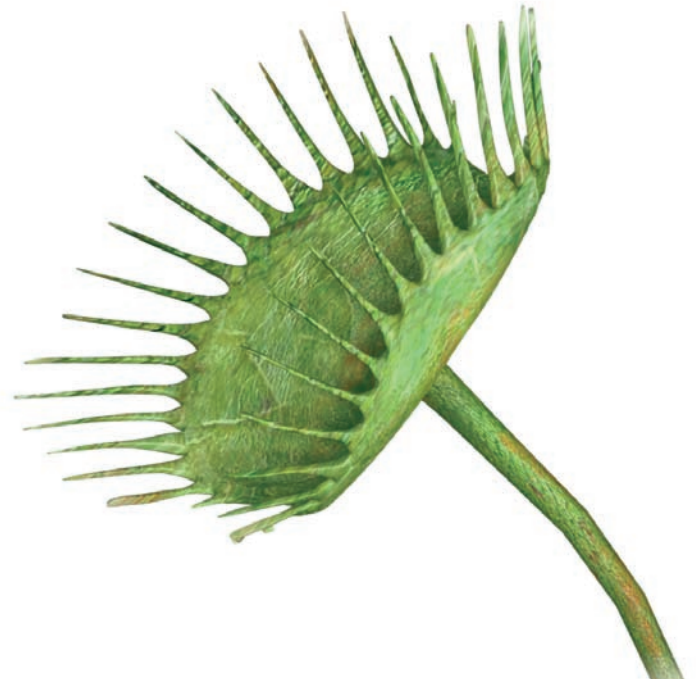
PD family, Sephadex G-25 and G-10, 2D Cleanup Kit

Protein Concentration

Vivaspin family

Protein Quantification

2D Quant Kit, NanoVue





Protein Concentration	Code No.	2-D Electrophoresis 1-D Electrophoresis Liquid Chromatography From 2-D Elpho to MS From 1-D Elpho to MS Protein Expression Mass Spectrometry								Description
Vivaspin 500, 3 kDa MWCO PES	28-9322-18	•	•	•	•	•	•	•	•	Concentration of up to 500 µl sample through ultrafiltration, 3 kDa cut-off
Vivaspin 500, 5 kDa MWCO PES	28-9322-23	•	•	•	•	•	•	•	•	Concentration of up to 500 µl sample through ultrafiltration, 5 kDa cut-off
Vivaspin 500, 10 kDa MWCO PES	28-9322-25	•	•	•	•	•	•	•	•	Concentration of up to 500 µl sample through ultrafiltration, 10 kDa cut-off
Vivaspin 500, 30 kDa MWCO PES	28-9322-35	•	•	•	•	•	•	•	•	Concentration of up to 500 µl sample through ultrafiltration, 30 kDa cut-off
Vivaspin 500, 50 kDa MWCO PES	28-9322-36	•	•	•	•	•	•	•	•	Concentration of up to 500 µl sample through ultrafiltration, 50 kDa cut-off
Vivaspin 500, 100 kDa MWCO PES	28-9322-37	•	•	•	•	•	•	•	•	Concentration of up to 500 µl sample through ultrafiltration, 100 kDa cut-off
Vivaspin 2, 3 kDa MWCO PES	28-9322-40	•	•	•	•	•	•	•	•	Concentration of up to 2 ml sample through ultrafiltration, 3 kDa cut-off
Vivaspin 2, 5 kDa MWCO PES	28-9322-45	•	•	•	•	•	•	•	•	Concentration of up to 2 ml sample through ultrafiltration, 5 kDa cut-off
Vivaspin 2, 10 kDa MWCO PES	28-9322-47	•	•	•	•	•	•	•	•	Concentration of up to 2 ml sample through ultrafiltration, 10 kDa cut-off
Vivaspin 2, 30 kDa MWCO PES	28-9322-48	•	•	•	•	•	•	•	•	Concentration of up to 2 ml sample through ultrafiltration, 30 kDa cut-off
Vivaspin 2, 50 kDa MWCO PES	28-9322-57	•	•	•	•	•	•	•	•	Concentration of up to 2 ml sample through ultrafiltration, 50 kDa cut-off
Vivaspin 2, 100 kDa MWCO PES	28-9322-58	•	•	•	•	•	•	•	•	Concentration of up to 2 ml sample through ultrafiltration, 100 kDa cut-off
Vivaspin 6, 3 kDa MWCO PES	28-9322-93	•	•	•	•	•	•	•	•	Concentration of up to 6 ml sample through ultrafiltration, 3 kDa cut-off
Vivaspin 6, 5 kDa MWCO PES	28-9322-94	•	•	•	•	•	•	•	•	Concentration of up to 6 ml sample through ultrafiltration, 5 kDa cut-off
Vivaspin 6, 10 kDa MWCO PES	28-9322-96	•	•	•	•	•	•	•	•	Concentration of up to 6 ml sample through ultrafiltration, 10 kDa cut-off
Vivaspin 6, 30 kDa MWCO PES	28-9323-17	•	•	•	•	•	•	•	•	Concentration of up to 6 ml sample through ultrafiltration, 30 kDa cut-off
Vivaspin 6, 50 kDa MWCO PES	28-9323-18	•	•	•	•	•	•	•	•	Concentration of up to 6 ml sample through ultrafiltration, 50 kDa cut-off
Vivaspin 6, 100 kDa MWCO PES	28-9323-19	•	•	•	•	•	•	•	•	Concentration of up to 6 ml sample through ultrafiltration, 100 kDa cut-off
Vivaspin 20, 3 kDa MWCO PES	28-9323-58	•	•	•	•	•	•	•	•	Concentration of up to 20 ml sample through ultrafiltration, 3 kDa cut-off
Vivaspin 20, 5 kDa MWCO PES	28-9323-59	•	•	•	•	•	•	•	•	Concentration of up to 20 ml sample through ultrafiltration, 5 kDa cut-off
Vivaspin 20, 10 kDa MWCO PES	28-9323-60	•	•	•	•	•	•	•	•	Concentration of up to 20 ml sample through ultrafiltration, 10 kDa cut-off
Vivaspin 20, 30 kDa MWCO PES	28-9323-61	•	•	•	•	•	•	•	•	Concentration of up to 20 ml sample through ultrafiltration, 30 kDa cut-off
Vivaspin 20, 50 kDa MWCO PES	28-9323-62	•	•	•	•	•	•	•	•	Concentration of up to 20 ml sample through ultrafiltration, 50 kDa cut-off
Vivaspin 20, 100 kDa MWCO PES	28-9323-63	•	•	•	•	•	•	•	•	Concentration of up to 20 ml sample through ultrafiltration, 100 kDa cut-off

Sample preparation for:

1-D Electrophoresis and Western Blotting

Differential expression

Lysis/Protein extraction

Sample Grinding Kit, Protein Extraction Buffer kits, triplePrep

Enzyme Regulation

Nuclease Mix, Protease Inhibitor Mix

High Abundant Protein Depletion

Albumin and IgG Removal Kit

Protein Enrichment

NHS, Streptavidin, Protein A & G, Fe-IMAC

Buffer Exchange/CleanUp

PD family, Sephadex G-25 and G-10, SDS-PAGE Cleanup kit

Protein Concentration

Vivaspin family

Protein Quantification

2D Quant kit, NanoVue

Tagged protein expression

Lysis/Protein extraction

Sample Grinding Kit, Protein Extraction Buffer kits, triplePrep

Enzyme Regulation

Nuclease Mix, Protease Inhibitor Mix

Tagged protein purification

GST, Histidine, MBP, Strep(III), cleavage enzymes & detection

Buffer Exchange/CleanUp

PD family, Sephadex G-25 and G-10, SDS-PAGE Cleanup kit

Protein Concentration

Vivaspin family

Protein Quantification

2D Quant kit, NanoVue



Desalting/Buffer Exchange/Clean-up

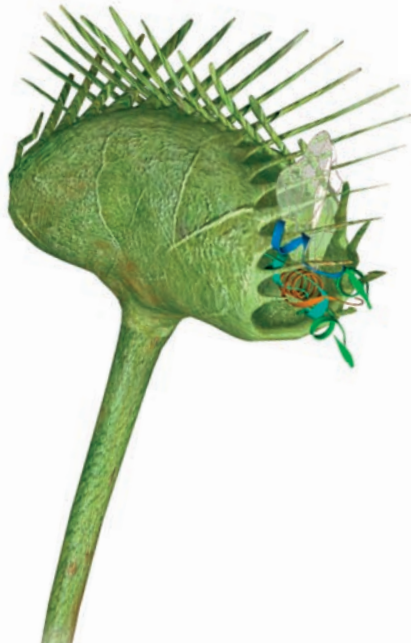
Code No.

2-D Electrophoresis
1-D Electrophoresis
Liquid Chromatography
From 2-D Elpho to MS
From 1-D Elpho to MS
Protein Expression
Mass Spectrometry

Description

Disposable PD-10 Desalting	17-0851-01	•	•	•			•	•	•	Clean-up of proteins/oligosaccharides, sample volumes up to 2.5 ml by gravity flow and columns spin flow
LabMate™ PD-10 Buffer	18-3216-03	•	•	•			•	•	•	Buffer reservoir for easy equilibration reservoir
PD MidiTrap™ G-25	28-9180-08	•	•	•			•	•	•	Clean-up of proteins/oligosaccharides, sample volumes up to 1.0 ml, by gravity flow and spin flow
PD MiniTrap™ G-25	28-9180-07	•	•	•			•	•	•	Clean-up of proteins/oligosaccharides, sample volumes up to 0.5 ml, by gravity flow and spin flow
PD SpinTrap G-25	28-9180-04	•	•	•			•	•	•	Clean-up of proteins/oligosaccharides, sample volumes up to 130 µl, by microcentrifugation
PD MultiTrap G-25	28-9180-06	•	•	•			•	•	•	Clean-up of proteins/oligosaccharides, sample volumes up to 130 µl in parallel, 96-well filter plates by vacuum or centrifuge, large sample series and automation
PD MidiTrap G-10	28-9180-11	•	•	•			•	•	•	Peptide and small protein applications, clean-up sample volumes up to 800 µl, by gravity flow
PD MiniTrap G-10	28-9180-10	•	•	•			•	•	•	Peptide and small protein applications, clean-up sample volumes up to 300 µl, by gravity flow
Mini Dialysis Kit – 1 kDa cut-off	80-6483-75	•	•	•			•	•	•	Dialysis of small sample volumes, 250 µl and 2 ml
Mini dialysis kit - 1 kDa cut off	80-6483-94	•	•	•			•	•	•	Dialysis of small sample volumes, max sample volume 2 ml
Mini Dialysis Kit – 8 kDa cut-off	80-6484-13	•	•	•			•	•	•	Dialysis of small sample volumes, 250 µl and 2 ml
Mini dialysis kit - 8 kDa cut off	80-6484-32	•	•	•			•	•	•	Dialysis of small sample volumes, max sample volume 2 ml
2D Clean-Up Kit	80-6484-51	•							•	Removal of interfering contaminants and concentration of total protein
SDS-PAGE Clean-Up Kit	80-6484-70	•							•	Removal of interfering contaminants





Sample preparation for:

Mass Spectrometry

Lysis/Protein extraction

Sample Grinding Kit, Protein Extraction kits, triplePrep

Enzyme Regulation

Nuclease Mix, Protease Inhibitor Mix

Protein Enrichment

NHS, Streptavidin, Protein A & G, Fe-IMAC

Buffer Exchange/CleanUp

PD family; Sephadex G-25 and G-10, SDS-PAGE Cleanup Kit

Protein concentration

Vivaspin family

Protein Quantification

2D Quant kit, NanoVue



2-D Electrophoresis
1-D Electrophoresis
Liquid Chromatography
From 2-D Elpho to MS
From 1-D Elpho to MS
Protein Expression

Histidine-tagged Protein Capture	Code No.							Description
His GraviTrap™	11-0033-99							<ul style="list-style-type: none">Purification of histidine-tagged proteins, gravity flow column
His GraviTrap Kit	28-4013-51							<ul style="list-style-type: none">Gravity flow columns for histidine tagged protein purification and buffers
His MultiTrap™ HP	28-4009-89							<ul style="list-style-type: none">Purification of histidine-tagged proteins in 96-well filter plates by vacuum or centrifuge, for larger series or automation
His MultiTrap FF	28-4009-90							<ul style="list-style-type: none">Purification of histidine-tagged proteins in 96-well filter plates by vacuum or centrifuge, for larger series or automation
His SpinTrap	28-4013-53							<ul style="list-style-type: none">Purification of histidine-tagged proteins, spin column format
His SpinTrap Kit	28-9321-71							<ul style="list-style-type: none">Microspin columns for histidine-tagged protein purification and buffers
His Buffer Kit	11-0034-00							<ul style="list-style-type: none">Buffers for the purification of histidine-tagged proteins using the His GraviTrap, HisTrap™ or the His SpinTrap
Anti-His antibody	27-4710-01							<ul style="list-style-type: none">Unconjugated antibody with affinity for the histidine-tag
HisTrap HP columns	17-5247-01							<ul style="list-style-type: none">Simple purification with a syringe or chromatography system such as ÄKTAdesign™
HisTrap FF columns	17-5319-01							<ul style="list-style-type: none">Simple purification with a syringe or chromatography system such as ÄKTAdesign
HisPrep™ FF 16/10 column	17-5256-01							<ul style="list-style-type: none">Easy scale-up purification of histidine-tagged proteins
HisTrap FF crude Kit	28-4014-77							<ul style="list-style-type: none">Purification with a syringe or chromatography system (e.g., ÄKTAdesign), no filtration of the sample

Maltose Binding Protein (MBP)-tagged Protein Capture

MBPTrap™ HP	28-9187-78							<ul style="list-style-type: none">Simple purification with a syringe or chromatography system such as ÄKTAdesign
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Strep(II)-tagged Protein Capture

StrepTrap™ HP	28-9075-46							<ul style="list-style-type: none">Simple purification with a syringe or chromatography system such as ÄKTAdesign
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GST-tagged Protein Capture	Code No.	2-D Electrophoresis 1-D Electrophoresis Liquid Chromatography From 2-D Elpho to MS From 1-D Elpho to MS Protein Expression					Description
GST MultiTrap FF	28-4055-01						<ul style="list-style-type: none"> Purification of GST-tagged proteins in 96-well filter plates by vacuum or centrifuge, for larger sample series or automation
GST MultiTrap 4B	28-4055-00						<ul style="list-style-type: none"> Purification of GST-tagged proteins in 96-well filter plates by vacuum or centrifuge, for larger sample series or automation
GST SpinTrap Purification Module	27-4570-03						<ul style="list-style-type: none"> Purification of GST-tagged proteins, spin column format
pGEX vectors	multiple						<ul style="list-style-type: none"> Expression vectors for GST fusion proteins
GST Vector primers for sequencing	multiple						<ul style="list-style-type: none"> Sequencing primers for the pGEX vectors
<i>E. coli</i> BL21	27-1542-01						<ul style="list-style-type: none"> Bacterial strain for the expression of GST fusion protein
M13K07 Helper Phage	27-1524-01						<ul style="list-style-type: none"> M13 phage for the GST expression system
Bulk GST Purification Module	27-4570-01						<ul style="list-style-type: none"> Bulk Glutathine Sepharose 4B and empty gravity columns
PreScission™ Protease	27-0843-01						<ul style="list-style-type: none"> Purified enzyme for site-specific cleavage of the GST-tag from fusion proteins expressed using the pGEX-P vectors
Thrombin	27-0846-01						<ul style="list-style-type: none"> Purified enzyme for site-specific cleavage of the GST-tag from fusion proteins expressed using the pGEX-T vectors
Factor Xa	27-0849-01						<ul style="list-style-type: none"> Purified enzyme for site-specific cleavage of the GST-tag from fusion proteins expressed using the pGEX-X vectors
Anti-GST Antibody	27-4577-01						<ul style="list-style-type: none"> Unconjugated antibody with affinity for the GST-tag
GST Detection Module	27-4590-01						<ul style="list-style-type: none"> Reagents for the biochemical reaction performed by the GST-tag for the determination of concentration
GST 96-well Detection Module	27-4592-01						<ul style="list-style-type: none"> Reagents and plates with precoated wells for the detection of GST-tagged proteins
GSTPrep™ FF 16/10 column	17-5234-01						<ul style="list-style-type: none"> Simple purification with a syringe or chromatography system such as ÄKTA design
GSTrap™ HP columns	17-5281-01						<ul style="list-style-type: none"> Simple purification with a syringe or chromatography system such as ÄKTA design
GSTrap FF columns	17-5130-02						<ul style="list-style-type: none"> Simple purification with a syringe or chromatography system such as ÄKTA design
GSTrap 4B columns	28-4017-45						<ul style="list-style-type: none"> Simple purification with a syringe or chromatography system such as ÄKTA design
RediPack GST Purification Module	27-4570-03						<ul style="list-style-type: none"> Purification of GST-tagged proteins in gravity flow format

For local office contact information, visit
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www.gelifesciences.com/sampleprep

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imagination at work

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