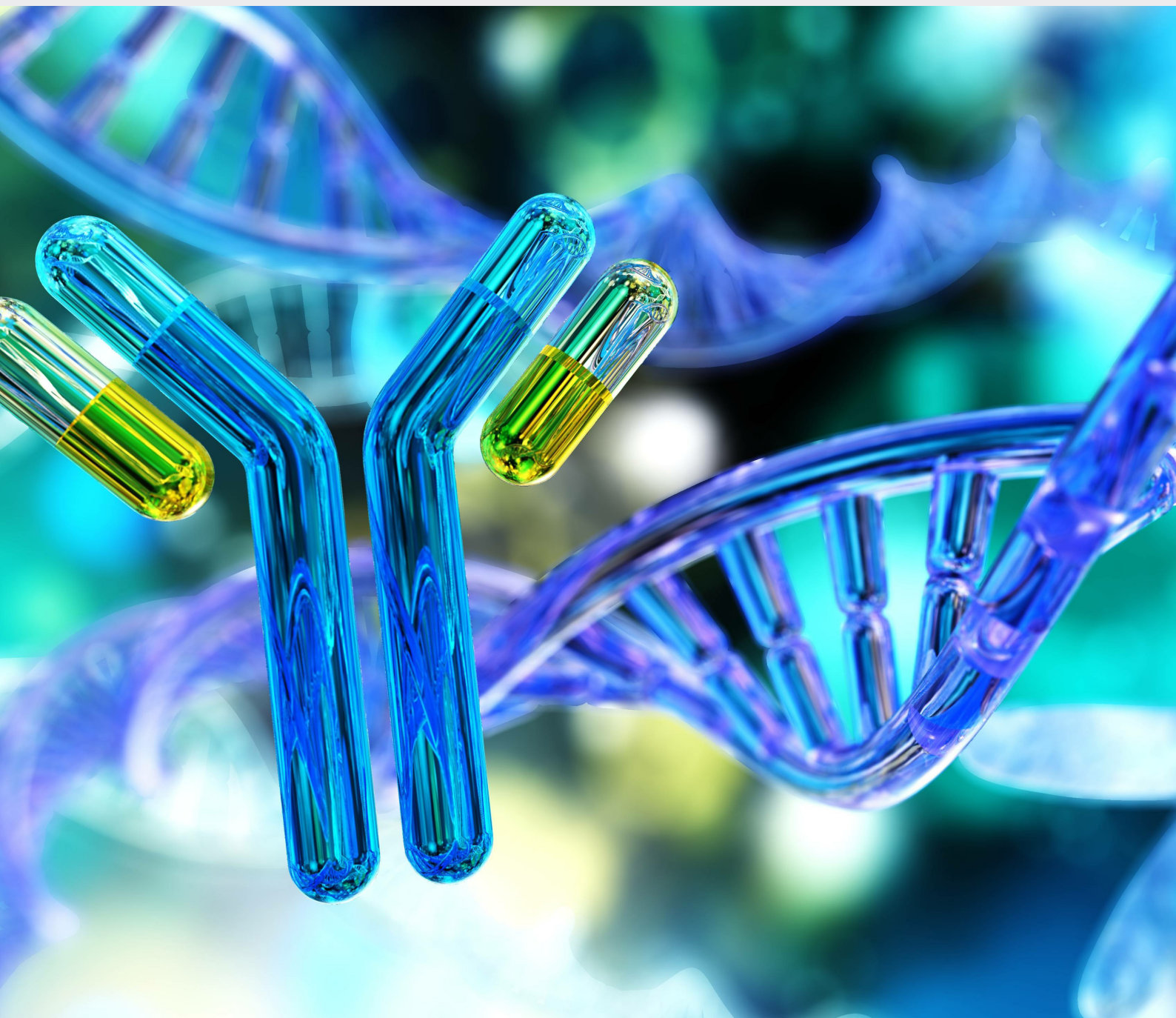


Biomolecule Purification with PhyTip[®] Columns



PhyTip® columns are available for a range of automated purification solutions in plasmid purification, protein purification and AAV purification. PhyTip columns have supported researchers with automated biomolecule purification since 2002.

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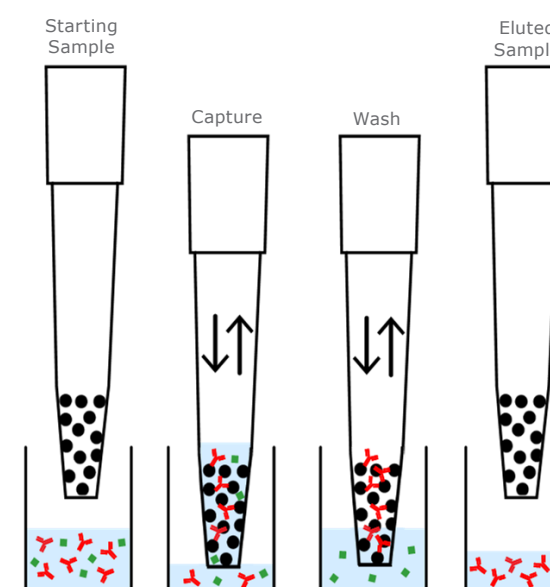
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Dual Flow Chromatography with PhyTip® Columns

Main Benefits of PhyTip® Columns

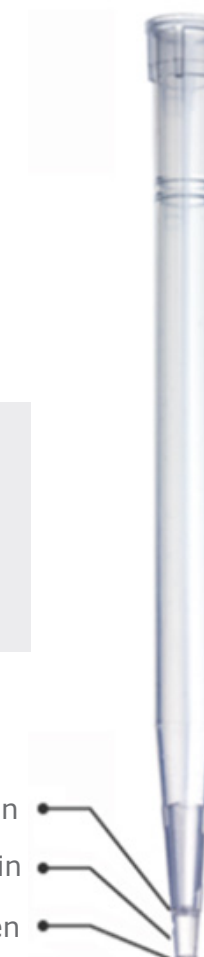
- » High throughput purification of biomolecules
- » Compatible with all major liquid handling robots
- » Versatile; 1–96 samples at a time with a wide range of available resins
- » Gentle purification with high purity and high recoveries

PhyTip® Columns purify samples through repeated back-and-forth cycles - a process called dual flow chromatography - allowing complete binding interactions in each purification step.



Top Screen
Resin
Bottom Screen

The unique column design with a packed resin bed binds the entire sample to a small resin bed volume. Basic chromatographic principals control the separations, and the bi-directional flow drives interactions to high loading equilibrium regardless of kinetic rate constants. The purified sample can be eluted in small volumes, resulting in a highly concentrated sample. Dual flow chromatography is a gentle purification process producing high levels of biologically active protein.



Applications

PhyTip® columns can be used to purify biomolecules for basic research, drug discovery, and process development. Applications include, but are not limited to; plasmid purification, antibody purification, tagged recombinant protein purification, Adeno associated virus (AAV) purification, desalting, immunoprecipitation and sample preparation for mass spectrometry.

Products and Technology

PhyTip columns are available in pipette sizes of 200 µL, 300 µL, 500 µL and 1 mL and in resin bed volumes from 5 µL to 320 µL for purification of µg to mg protein samples. Sample volumes can be varied between 100 µL and 30 mL. The PhyTip columns are available in a range of different chromatography resins from different resin suppliers. In addition, custom PhyTip columns are available upon request. Virtually any chromatography resin with ≥ 40 µm in particle size can be packed in the PhyTip column format. The columns can be produced to be compatible with all major automation systems.

PhyTip® Column Products

Antibody Purification PhyTip® Columns

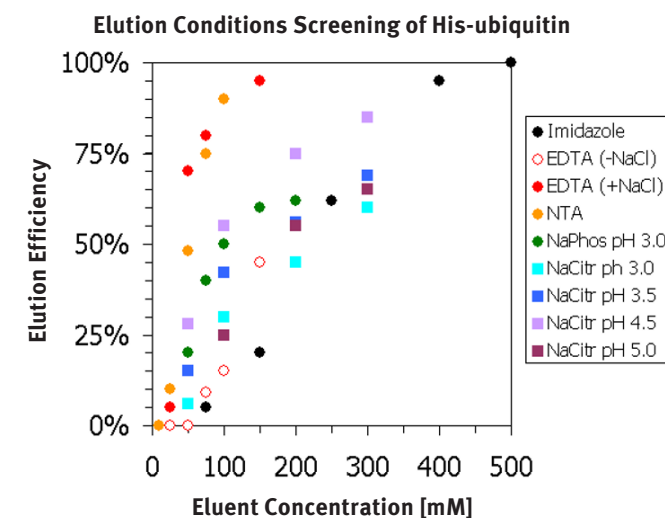
PhyTip columns are available with different affinity medias that bind selectively to various parts of the antibody structure for purification IgG antibodies as well as other subtypes and fragments. In one key application, dual flow chromatography enables efficient purification of low concentration IgG.

Resins available in the standard product portfolio: Protein A, Protein G and affinity resins for binding antibody fragments, including brand names such as MabSelect SuRe and CaptureSelect.

For more details, please visit:
www.biotage.com/antibody-purification

Tagged Recombinant Protein Purification with PhyTip® Columns

Different PhyTip® columns are available with affinity medias that bind His-tagged, Biotin-tagged and GST-tagged recombinant proteins. The image below show purification and optimization of elution conditions of His-ubiquitin using a Ni-IMAC PhyTip column.



Resins available in the standard product portfolio are IMAC affinity resins, Glutathione affinity resins and Streptavidin affinity resins.

For more details, please visit:
www.biotage.com/tagged-protein

AAV Protein Purification using PhyTip® Columns

Affinity chromatography purification can effectively remove impurities such as plasmid DNA and host cell RNA/DNA in AAV purification.

The CaptureSelect™ AAVX PhyTip columns are compatible with most 8, 12, and 96-channel automation liquid handling robots.

For more details, please visit:
www.biotage.com/aav-phytip-column

Plasmid Purification with PhyTip® Columns

Plasmids are the common starting material for transient transfection of recombinant proteins, mRNA and viral vectors. PhyTip columns are available for efficient high throughput miniprep purification of plasmids.

For more details, please visit:
www.biotage.com/miniprep-phytip-column

Ion Exchange Chromatography PhyTip® Columns

PhyTip columns are available with different ion exchange chromatography resins, including strong anion exchange resins, weak anion exchange resins, strong cations exchange resins and weak cation exchange resins.

For more details, please visit:
www.biotage.com/phytip-columns-strong-anion-exchange

Gel Filtration/Desalting PhyTip® Columns

Gel filtration PhyTip columns packed with size exclusion chromatography resin are ideal for desalting protein samples and for buffer exchange. Desalting by Gel Filtration PhyTip columns can be set up as a secondary purification step after affinity purification.

For more details, please visit:
www.biotage.com/gel-filtration-phytip-columns

Reversed Phase Chromatography PhyTip® Columns

Reversed Phase PhyTip columns are used for automated desalting or cleanup of protein and peptide samples before mass spectrometry analysis. Reversed Phase PhyTip columns bind a wide range of protein and polypeptide sizes.

For more details, please visit:
www.biotage.com/reversed-phase-phytip-columns

Normal Phase Chromatography PhyTip® Columns

Sample processing by Normal Phase PhyTip columns by dual flow chromatography leads to specific enrichment of polar compounds – for instance oligosaccharides. As such, Normal Phase PhyTip columns are the only commercially ideal solution for high throughput, oligosaccharide purification for applications such as oligosaccharide mapping and identification analysis of glycoproteins.

For more details, please visit:
www.biotage.com/reversed-phase-phytip-columns-o

Customized PhyTip® Columns

Biotage offers PhyTip® columns packed with a wide range of resins for purification of different protein types. However, if you do not find what you are looking for among our standard products, we also offer a custom packing service. Due to our vast experience of packing PhyTip columns, we can pack virtually any affinity media, silica or resin ≥ 40 µm in particle size in our PhyTip column format. The columns can be produced to be compatible with all major automation systems.

For more details, please visit:
www.biotage.com/custom-packing-service



Compatible with all Major Liquid Handling Robotic Systems

PhyTip® columns come with dual flow chromatography protocols that have been validated with real protein samples and can be used on all major automated liquid handling systems, enabling efficient set up of purification runs. The PhyTip columns are ready to use directly out of the box. The run time for a full purification protocol of 96 samples can be as short as 15 minutes.

Desalting Gel Filtration PhyTip Columns		
Tip volume (µL)	1000	
Part Number	PDR-91	
Resin volume (µL)	200	600

Models	NIMBUS, STAR, Vantage					
Tip Volumes (µL)	300			1000		
Part Number	PTH-93			PTH-91		
Resin Volumes (µL)	5	20	10	20	40	80 160

HAMILTON®



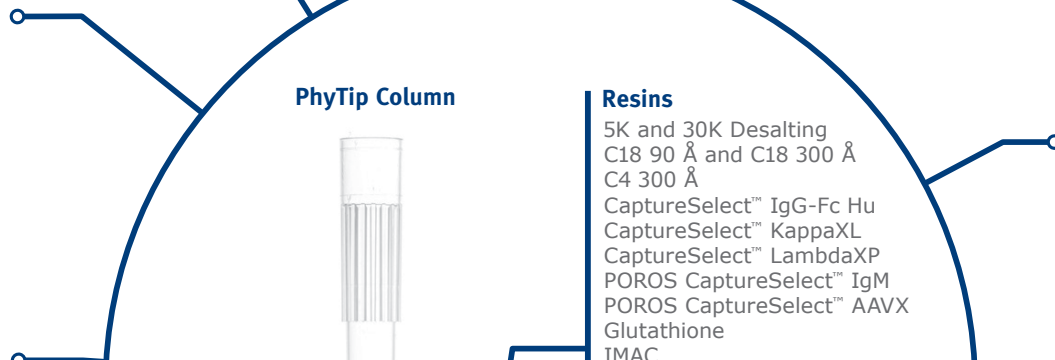
PhyTip Column

Resins

- 5K and 30K Desalting
- C18 90 Å and C18 300 Å
- C4 300 Å
- CaptureSelect™ IgG-Fc Hu
- CaptureSelect™ KappaXL
- CaptureSelect™ LambdaXP
- POROS CaptureSelect™ IgM
- POROS CaptureSelect™ AAVX
- Glutathione
- IMAC
- Normal Phase 1
- Plasmid Miniprep Purification
- ProPlus (MabSelect SuRe™)
- ProPlus LX (MabSelect SuRe LX™)
- Protein A
- Protein G
- Streptavidin
- Strong Anion
- Strong Cation
- Weak Anion
- Weak Cation
- Custom Resins

Models	FX & NX	iSeries				
Tip Volumes (µL)	200	1000				
Part Number	PTB-92	PTB-91				
Resin Volumes (µL)	5	20	10	20	40	80 160

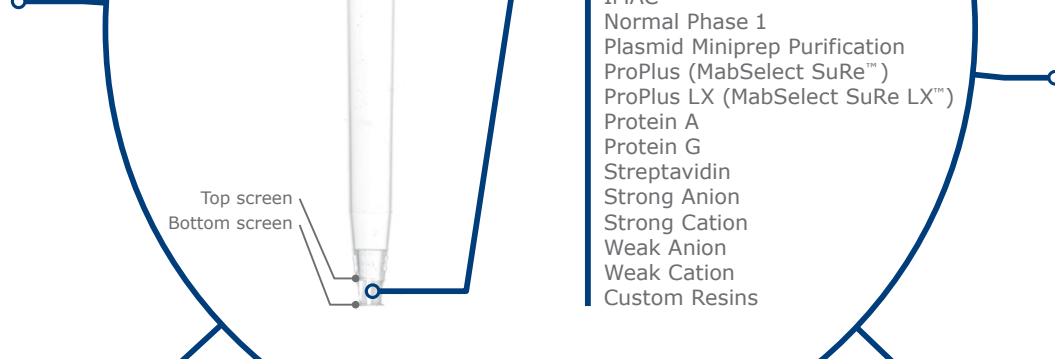
Beckman Coulter®



Models	Lynx					
Tip volumes (µL)	300			1000		
Part Number	PTX-93			PTX-91		
Resin volumes (µL)	5	20	10	20	40	80 160

Dynamic Devices®

Models	Oasis					
Tip Volumes (µL)	200			1000		
Part Number	PTT-92			PTT-91		
Resin Volumes (µL)	5	20	10	20	40	80 160



CALIPER Life Sciences®

Models	Caliper SciClone, Caliper Zephyr	
Tip Volumes (µL)	200	
Part Number	PTT-92	
Resin Volumes (µL)	5	20

Agilent Technologies®

Models	Agilent Bravo
Tip Volumes (µL)	200
Part Number	PTV-92
Resin Volumes (µL)	20

Opentrons®

Models	OT-1, OT-2
Tip Volumes (µL)	300
Part Number	PTX-93
Resin Volumes (µL)	5 20

Models	MiniTrack, Janus MDT 96-channel*	Janus Varispan 4 or 8 wells
Tip volumes (µL)	200	1000
Part Number	PTT-92	PTT-91
Resin Volumes (µL)	5 20	10 20 40 80 160

PerkinElmer®

* Adaptor required for compatibility



Biotage®

Models	MEA2 200 µL head	MEA2 1200 µL head				
Tip Volumes (µL)	200	1000				
Part Number	PTR-92	PTR-91				
Resin Volumes (µL)	5	20	10	20	40	80 160 320

Models	Cybio Felix
Tip Volumes (µL)	1000
Part Number	PTT-91
Resin Volumes (µL)	10 20 40 80 160

Analytik Jena®

Agilent Technologies

Velocity 11 Bravo | V-Prep

Tip volumes(μL)	200
Resin volumes(μL)	20

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTV-92-20-01	200 μL PhyTip® column, 20 μL Protein A resin	96
Protein G Affinity Resin*		
PTV-92-20-02	200 μL PhyTip® column, 20 μL Protein G resin	96
ProPlus (MabSelect SuRe™) Affinity Resin*		
PTV-92-10-07	200 μL PhyTip® column, 10 μL ProPlus resin	96
ProPlus LX (MabSelect SuRe™ LX) Affinity Resin		
PTV-92-10-26	200 μL PhyTip® column, 10 μL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTV-92-20-30	200 μL PhyTip® column, 20 μL POROS CaptureSelect IgM resin	96
PTV-92-20-32	200 μL PhyTip® column, 20 μL CaptureSelect FcXL resin	96
PTV-92-20-24	200 μL PhyTip® column, 20 μL CaptureSelect IgG-Fc (ms) resin	96
PTV-92-20-31	200 μL PhyTip® column, 20 μL CaptureSelect KappaXL resin	96
PTV-92-20-35	200 μL PhyTip® column, 20 μL CaptureSelect LambdaXP resin	96

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTV-92-20-03	200 μL PhyTip® column, 20 μL IMAC resin	96
Glutathione Affinity Resin		
PTV-92-20-04	200 μL PhyTip® column, 20 μL Glutathione resin	96
Streptavidin Affinity Resin		
PTV-92-20-05	200 μL PhyTip® column, 20 μL Streptavidin resin	96

*Corresponding Buffer kit available for ordering.

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTV-92-20-11	200 μL PhyTip® column, 20 μL Strong Anion resin	96
Strong Cation Resin		
PTV-92-20-13	200 μL PhyTip® column, 20 μL Strong Cation resin	96
Weak Anion Resin		
PTT-91-10-12	1 mL PhyTip® column, 10 μL Weak Anion resin	96
Weak Cation Resin		
PTV-92-20-14	200 μL PhyTip® column, 20 μL Weak Cation resin	96
Reversed Phase Resin C18 90Å Pore Size		
PTV-92-20-18	200 μL PhyTip® column, 20 μL C18 90Å pore resin	96
Reversed Phase Resin C18 300Å Pore Size		
PTV-92-20-19	200 μL PhyTip® column, 20 μL C18 300Å resin	96
Reversed Phase Resin C4 300Å Pore Size		
PTV-91-20-52	200 μL PhyTip® column, 20 μL C4 300Å resin	96
Normal Phase 1 Resin		
PTV-91-20-09	200 μL PhyTip® column, 20 μL Normal Phase 1 resin	96

AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect™ AAVX Resin		
PTV-91-20-33	200 μL PhyTip® column, 20 μL CaptureSelect AAVX resin	96

Gel Filtration/Desalting PhyTip® Column

Part Number	Description	Qty.
5K Desalting Resin		
PDR-91-20-06	1 mL PhyTip® column, 200 μL 5K desalting resin	96

PhyTip® Columns for Liquid Handling Robots

Ordering Information

Analytik Jenna

Cybio Felix

Tip volumes(μL)	1000				
Resin volumes(μL)	10	20	40	80	160

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTT-91-10-01	1 mL PhyTip® column, 10 μL Protein A resin	96
PTT-91-20-01	1 mL PhyTip® column, 20 μL Protein A resin	96
PTT-91-40-01	1 mL PhyTip® column, 40 μL Protein A resin	96
PTT-91-80-01	1 mL PhyTip® column, 80 μL Protein A resin	96
PTT-91-16-01	1 mL PhyTip® column, 160 μL Protein A resin	96
Protein G Affinity Resin*		
PTT-91-10-02	1 mL PhyTip® column, 10 μL Protein G resin	96
PTT-91-20-02	1 mL PhyTip® column, 20 μL Protein G resin	96
PTT-91-40-02	1 mL PhyTip® column, 40 μL Protein G resin	96
PTT-91-80-02	1 mL PhyTip® column, 80 μL Protein G resin	96
PTT-91-16-02	1 mL PhyTip® column, 160 μL Protein G resin	96
ProPlus (MabSelect SuRe®) Affinity Resin*		
PTT-91-10-07	1 mL PhyTip® column, 10 μL ProPlus resin	96
PTT-91-20-07	1 mL PhyTip® column, 20 μL ProPlus resin	96
PTT-91-40-07	1 mL PhyTip® column, 40 μL ProPlus resin	96
PTT-91-80-07	1 mL PhyTip® column, 80 μL ProPlus resin	96
PTT-91-16-07	1 mL PhyTip® column, 160 μL ProPlus resin	96
ProPlus LX (MabSelect SuRe® LX) Affinity Resin		
PTT-91-10-26	1 mL PhyTip® column, 10 μL ProPlus LX resin	96
PTT-91-20-26	1 mL PhyTip® column, 20 μL ProPlus LX resin	96
PTT-91-40-26	1 mL PhyTip® column, 40 μL ProPlus LX resin	96
PTT-91-80-26	1 mL PhyTip® column, 80 μL ProPlus LX resin	96
PTT-91-16-26	1 mL PhyTip® column, 160 μL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTT-91-10-30	1 mL PhyTip® column, 10 μL POROS CaptureSelect IgM resin	96
PTT-91-20-30	1 mL PhyTip® column, 20 μL POROS CaptureSelect IgM resin	96
PTT-91-10-32	1 mL PhyTip® column, 10 μL CaptureSelect FcXL resin	96
PTT-91-20-32	1 mL PhyTip® column, 20 μL CaptureSelect FcXL resin	96
PTT-91-10-24	1 mL PhyTip® column, 10 μL CaptureSelect IgG-Fc (ms) resin	96
PTT-91-20-24	1 mL PhyTip® column, 20 μL CaptureSelect IgG-Fc (ms) resin	96
PTT-91-10-31	1 mL PhyTip® column, 10 μL CaptureSelect KappaXL resin	96
PTT-91-20-31	1 mL PhyTip® column, 20 μL CaptureSelect KappaXL resin	96
PTT-91-10-35	1 mL PhyTip® column, 10 μL CaptureSelect LambdaXP resin	96
PTT-91-20-35	1 mL PhyTip® column, 20 μL CaptureSelect LambdaXP resin	96

*Corresponding Buffer kit available for ordering.

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTT-91-10-03	1 mL PhyTip® column, 10 μL IMAC resin	96
PTT-91-20-03	1 mL PhyTip® column, 20 μL IMAC resin	96
PTT-91-40-03	1 mL PhyTip® column, 40 μL IMAC resin	96
PTT-91-80-03	1 mL PhyTip® column, 80 μL IMAC resin	96
PTT-91-16-03	1 mL PhyTip® column, 160 μL IMAC resin	96
Glutathione Affinity Resin		
PTT-91-10-04	1 mL PhyTip® column, 10 μL Glutathione resin	96
PTT-91-20-04	1 mL PhyTip® column, 20 μL Glutathione resin	96
PTT-91-40-04	1 mL PhyTip® column, 40 μL Glutathione resin	96
PTT-91-80-04	1 mL PhyTip® column, 80 μL Glutathione resin	96
PTT-91-16-04	1 mL PhyTip® column, 160 μL Glutathione resin	96
Streptavidin Affinity Resin		
PTT-91-10-05	1 mL PhyTip® column, 10 μL Streptavidin resin	96
PTT-91-20-05	1 mL PhyTip® column, 20 μL Streptavidin resin	96
PTT-91-40-05	1 mL PhyTip® column, 40 μL Streptavidin resin	96
PTT-91-80-05	1 mL PhyTip® column, 80 μL Streptavidin resin	96
PTT-91-16-05	1 mL PhyTip® column, 160 μL Streptavidin resin	96

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTT-91-10-11	1 mL PhyTip® column, 10 μL Strong Anion resin	96
PTT-91-20-11	1 mL PhyTip® column, 20 μL Strong Anion resin	96
PTT-91-40-11	1 mL PhyTip® column, 40 μL Strong Anion resin	96
PTT-91-80-11	1 mL PhyTip® column, 80 μL Strong Anion resin	96
PTT-91-16-11	1 mL PhyTip® column, 160 μL Strong Anion resin	96
Strong Cation Resin		
PTT-91-10-13	1 mL PhyTip® column, 10 μL Strong Cation resin	96
PTT-91-20-13	1 mL PhyTip® column, 20 μL Strong Cation resin	96
PTT-91-40-13	1 mL PhyTip® column, 40 μL Strong Cation resin	96
PTT-91-80-13	1 mL PhyTip® column, 80 μL Strong Cation resin	96
PTT-91-16-13	1 mL PhyTip® column, 160 μL Strong Cation resin	96
Weak Anion Resin		
PTT-91-10-12	1 mL PhyTip® column, 10 μL Weak Anion resin	96
PTT-91-20-12	1 mL PhyTip® column, 20 μL Weak Anion resin	96
PTT-91-40-12	1 mL PhyTip® column, 40 μL Weak Anion resin	96
PTT-91-80-12	1 mL PhyTip® column, 80 μL Weak Anion resin	96
PTT-91-16-12	1 mL PhyTip® column, 160 μL Weak Anion resin	96

Part Number	Description	Qty.
Weak Cation Resin		
PTT-91-10-14	1 mL PhyTip® column, 10 μL Weak Cation resin	96
PTT-91-20-14	1 mL PhyTip® column, 20 μL Weak Cation resin	96
PTT-91-40-14	1 mL PhyTip® column, 40 μL Weak Cation resin	96
PTT-91-80-14	1 mL PhyTip® column, 80 μL Weak Cation resin	96
PTT-91-16-14	1 mL PhyTip® column, 160 μL Weak Cation resin	96
Reversed Phase Resin C18 90Å Pore Size		
PTT-91-10-18	1 mL PhyTip® column, 10 μL C18 90Å pore resin	96
PTT-91-20-18	1 mL PhyTip® column, 20 μL C18 90Å pore resin	96
PTT-91-40-18	1 mL PhyTip® column, 40 μL C18 90Å pore resin	96
PTT-91-80-18	1 mL PhyTip® column, 80 μL C18 90Å pore resin	96
PTT-91-16-18	1 mL PhyTip® column, 160 μL C18 90Å pore resin	96
Reversed Phase Resin C18 300Å Pore Size		
PTT-91-10-19	1 mL PhyTip® column, 10 μL C18 300 Å resin	96
PTT-91-20-19	1 mL PhyTip® column, 20 μL C18 300 Å resin	96
PTT-91-40-19	1 mL PhyTip® column, 40 μL C18 300 Å resin	96
PTT-91-80-19	1 mL PhyTip® column, 80 μL C18 300 Å resin	96
PTT-91-16-19	1 mL PhyTip® column, 160 μL C18 300 Å resin	96
Reversed Phase Resin C4 300Å Pore Size		
PTT-91-10-52	1 mL PhyTip® column, 10 μL C4 300Å resin	96
PTT-91-20-52	1 mL PhyTip® column, 20 μL C4 300Å resin	96
PTT-91-40-52	1 mL PhyTip® column, 40 μL C4 300Å resin	96
PTT-91-80-52	1 mL PhyTip® column, 80 μL C4 300Å resin	96
PTT-91-16-52	1 mL PhyTip® column, 160 μL C4 300Å resin	96
Normal Phase 1 Resin		
PTT-91-10-09	1 mL PhyTip® column, 10 μL Normal Phase 1 resin	96
PTT-91-20-09	1 mL PhyTip® column, 20 μL Normal Phase 1 resin	96

AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect® AAVX Resin		
PTT-91-10-33	1 mL PhyTip® column, 10 μL CaptureSelect AAVX resin	96
PTT-91-20-33	1 mL PhyTip® column, 20 μL CaptureSelect AAVX resin	96
PTT-91-40-33	1 mL PhyTip® column, 40 μL CaptureSelect AAVX resin	96
PTT-91-80-33	1 mL PhyTip® column, 80 μL CaptureSelect AAVX resin	96
PTT-91-16-33	1 mL PhyTip® column, 160 μL CaptureSelect AAVX resin	96

Beckman Coulter

Biomek iSeries

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTB-92-05-01	200 µL PhyTip® column, 5 µL Protein A resin	96
PTB-92-20-01	200 µL PhyTip® column, 20 µL Protein A resin	96
PTB-91-10-01	1 mL PhyTip® column, 10 µL Protein A resin	96
PTB-91-20-01	1 mL PhyTip® column, 20 µL Protein A resin	96
PTB-91-40-01	1 mL PhyTip® column, 40 µL Protein A resin	96
PTB-91-80-01	1 mL PhyTip® column, 80 µL Protein A resin	96
PTB-91-16-01	1 mL PhyTip® column, 160 µL Protein A resin	96
Protein G Affinity Resin*		
PTB-92-05-02	200 µL PhyTip® column, 5 µL Protein G resin	96
PTB-92-20-02	200 µL PhyTip® column, 20 µL Protein G resin	96
PTB-91-10-02	1 mL PhyTip® column, 10 µL Protein G resin	96
PTB-91-20-02	1 mL PhyTip® column, 20 µL Protein G resin	96
PTB-91-40-02	1 mL PhyTip® column, 40 µL Protein G resin	96
PTB-91-80-02	1 mL PhyTip® column, 80 µL Protein G resin	96
PTB-91-16-02	1 mL PhyTip® column, 160 µL Protein G resin	96
ProPlus (MabSelect SuRe®) Affinity Resin*		
PTB-92-05-07	200 µL PhyTip® column, 5 µL ProPlus resin	96
PTB-92-20-07	200 µL PhyTip® column, 20 µL ProPlus resin	96
PTB-91-10-07	1 mL PhyTip® column, 10 µL ProPlus resin	96
PTB-91-20-07	1 mL PhyTip® column, 20 µL ProPlus resin	96
PTB-91-40-07	1 mL PhyTip® column, 40 µL ProPlus resin	96
PTB-91-80-07	1 mL PhyTip® column, 80 µL ProPlus resin	96
PTB-91-16-07	1 mL PhyTip® column, 160 µL ProPlus resin	96
ProPlus LX (MabSelect SuRe® LX) Affinity Resin		
PTB-92-05-26	200 µL PhyTip® column, 5 µL ProPlus LX resin	96
PTB-92-20-26	200 µL PhyTip® column, 20 µL ProPlus LX resin	96
PTB-91-10-26	1 mL PhyTip® column, 10 µL ProPlus LX resin	96
PTB-91-20-26	1 mL PhyTip® column, 20 µL ProPlus LX resin	96
PTB-91-40-26	1 mL PhyTip® column, 40 µL ProPlus LX resin	96
PTB-91-80-26	1 mL PhyTip® column, 80 µL ProPlus LX resin	96
PTB-91-16-26	1 mL PhyTip® column, 160 µL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTB-92-05-30	200 µL PhyTip® column, 5 µL POROS CaptureSelect IgM resin	96
PTB-92-20-30	200 µL PhyTip® column, 20 µL POROS CaptureSelect IgM resin	96
PTB-92-05-32	200 µL PhyTip® column, 5 µL CaptureSelect FcXL resin	96
PTB-92-20-32	200 µL PhyTip® column, 20 µL CaptureSelect FcXL resin	96
PTB-92-05-24	200 µL PhyTip® column, 5 µL CaptureSelect IgG-Fc (ms) resin	96
PTB-92-20-24	200 µL PhyTip® column, 20 µL CaptureSelect IgG-Fc (ms) resin	96
PTB-92-05-31	200 µL PhyTip® column, 5 µL CaptureSelect KappaXL resin	96
PTB-92-20-31	200 µL PhyTip® column, 20 µL CaptureSelect KappaXL resin	96
PTB-92-05-35	200 µL PhyTip® column, 5 µL CaptureSelect LambdaXP resin	96

Tip volumes(µL)	200		1000				
Resin volumes(µL)	5	20	10	20	40	80	160

Part Number	Description	Qty.
PTB-92-20-35	200 µL PhyTip® column, 20 µL CaptureSelect LambdaXP resin	96
PTB-91-10-30	1 mL PhyTip® column, 10 µL POROS CaptureSelect IgM resin	96
PTB-91-20-30	1 mL PhyTip® column, 20 µL POROS CaptureSelect IgM resin	96
PTB-91-10-32	1 mL PhyTip® column, 10 µL CaptureSelect FcXL resin	96
PTB-91-20-32	1 mL PhyTip® column, 20 µL CaptureSelect FcXL resin	96
PTB-91-10-24	1 mL PhyTip® column, 10 µL CaptureSelect IgG-Fc (ms) resin	96
PTB-91-20-24	1 mL PhyTip® column, 20 µL CaptureSelect IgG-Fc (ms) resin	96
PTB-91-10-31	1 mL PhyTip® column, 10 µL CaptureSelect KappaXL resin	96
PTB-91-20-31	1 mL PhyTip® column, 20 µL CaptureSelect KappaXL resin	96
PTB-91-10-35	1 mL PhyTip® column, 10 µL CaptureSelect LambdaXP resin	96
PTB-91-20-35	1 mL PhyTip® column, 20 µL CaptureSelect LambdaXP resin	96

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTB-92-05-03	200 µL PhyTip® column, 5 µL IMAC resin	96
PTB-92-20-03	200 µL PhyTip® column, 20 µL IMAC resin	96
PTB-91-10-03	1 mL PhyTip® column, 10 µL IMAC resin	96
PTB-91-20-03	1 mL PhyTip® column, 20 µL IMAC resin	96
PTB-91-40-03	1 mL PhyTip® column, 40 µL IMAC resin	96
PTB-91-80-03	1 mL PhyTip® column, 80 µL IMAC resin	96
PTB-91-16-03	1 mL PhyTip® column, 160 µL IMAC resin	96
Glutathione Affinity Resin		
PTB-92-05-04	200 µL PhyTip® column, 5 µL Glutathione resin	96
PTB-92-20-04	200 µL PhyTip® column, 20 µL Glutathione resin	96
PTB-91-10-04	1 mL PhyTip® column, 10 µL Glutathione resin	96
PTB-91-20-04	1 mL PhyTip® column, 20 µL Glutathione resin	96
PTB-91-40-04	1 mL PhyTip® column, 40 µL Glutathione resin	96
PTB-91-80-04	1 mL PhyTip® column, 80 µL Glutathione resin	96
PTB-91-16-04	1 mL PhyTip® column, 160 µL Glutathione resin	96
Streptavidin Affinity Resin		
PTB-92-05-05	200 µL PhyTip® column, 5 µL Streptavidin resin	96
PTB-92-20-05	200 µL PhyTip® column, 20 µL Streptavidin resin	96
PTB-91-10-05	1 mL PhyTip® column, 10 µL Streptavidin resin	96
PTB-91-20-05	1 mL PhyTip® column, 20 µL Streptavidin resin	96
PTB-91-40-05	1 mL PhyTip® column, 40 µL Streptavidin resin	96
PTB-91-80-05	1 mL PhyTip® column, 80 µL Streptavidin resin	96
PTB-91-16-05	1 mL PhyTip® column, 160 µL Streptavidin resin	96

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTB-92-05-11	200 µL PhyTip® column, 5 µL Strong Anion resin	96
PTB-92-20-11	200 µL PhyTip® column, 20 µL Strong Anion resin	96
PTB-91-10-11	1 mL PhyTip® column, 10 µL Strong Anion resin	96
PTB-91-20-11	1 mL PhyTip® column, 20 µL Strong Anion resin	96
PTB-91-40-11	1 mL PhyTip® column, 40 µL Strong Anion resin	96
PTB-91-80-11	1 mL PhyTip® column, 80 µL Strong Anion resin	96
PTB-91-16-11	1 mL PhyTip® column, 160 µL Strong Anion resin	96
Strong Cation Resin		
PTB-92-05-13	200 µL PhyTip® column, 5 µL Strong Cation resin	96
PTB-92-20-13	200 µL PhyTip® column, 20 µL Strong Cation resin	96
PTB-91-10-13	1 mL PhyTip® column, 10 µL Strong Cation resin	96
PTB-91-20-13	1 mL PhyTip® column, 20 µL Strong Cation resin	96
PTB-91-40-13	1 mL PhyTip® column, 40 µL Strong Cation resin	96
PTB-91-80-13	1 mL PhyTip® column, 80 µL Strong Cation resin	96
PTB-91-16-13	1 mL PhyTip® column, 160 µL Strong Cation resin	96
Weak Anion Resin		
PTB-92-05-12	200 µL PhyTip® column, 5 µL Weak Anion resin	96
PTB-92-20-12	200 µL PhyTip® column, 20 µL Weak Anion resin	96
PTB-91-10-12	1 mL PhyTip® column, 10 µL Weak Anion resin	96
PTB-91-20-12	1 mL PhyTip® column, 20 µL Weak Anion resin	96
PTB-91-40-12	1 mL PhyTip® column, 40 µL Weak Anion resin	96
PTB-91-80-12	1 mL PhyTip® column, 80 µL Weak Anion resin	96
PTB-91-16-12	1 mL PhyTip® column, 160 µL Weak Anion resin	96
Weak Cation Resin		
PTB-92-05-14	200 µL PhyTip® column, 5 µL Weak Cation resin	96
PTB-92-20-14	200 µL PhyTip® column, 20 µL Weak Cation resin	96
PTB-91-10-14	1 mL PhyTip® column, 10 µL Weak Cation resin	96
PTB-91-20-14	1 mL PhyTip® column, 20 µL Weak Cation resin	96
PTB-91-40-14	1 mL PhyTip® column, 40 µL Weak Cation resin	96
PTB-91-80-14	1 mL PhyTip® column, 80 µL Weak Cation resin	96
PTB-91-16-14	1 mL PhyTip® column, 160 µL Weak Cation resin	96
Reversed Phase Resin C18 90Å Pore Size		
PTB-92-05-18	200 µL PhyTip® column, 5 µL C18 90Å resin	96
PTB-92-20-18	200 µL PhyTip® column, 20 µL C18 90Å resin	96
PTB-91-10-18	1 mL PhyTip® column, 10 µL C18 90Å resin	96
PTB-91-20-18	1 mL PhyTip® column, 20 µL C18 90Å resin	96
PTB-91-40-18	1 mL PhyTip® column, 40 µL C18 90Å resin	96
PTB-91-80-18	1 mL PhyTip® column, 80 µL C18 90Å resin	96
PTB-91-16-18	1 mL PhyTip® column, 160 µL C18 90Å resin	96
Reversed Phase Resin C18 300Å Pore Size		
PTB-92-05-19	200 µL PhyTip® column, 5 µL C18 300Å resin	96
PTB-92-20-19	200 µL PhyTip® column, 20 µL C18 300Å resin	96
PTB-91-10-19	1 mL PhyTip® column, 10 µL C18 300Å resin	96
PTB-91-20-19	1 mL PhyTip® column, 20 µL C18 300Å resin	96
PTB-91-40-19	1 mL PhyTip® column, 40 µL C18 300Å resin	96
PTB-91-80-19	1 mL PhyTip® column, 80 µL C18 300Å resin	96
PTB-91-16-19	1 mL PhyTip® column, 160 µL C18 300Å resin	96

Reversed Phase Resin C4 300Å Pore Size		
PTB-92-05-52	200 µL PhyTip® column, 5 µL C4 300Å resin	96
PTB-92-20-52	200 µL PhyTip® column, 20 µL C4 300Å resin	96
PTB-91-10-52	1 mL PhyTip® column, 10 µL C4 300Å resin	96
PTB-91-20-52	1 mL PhyTip® column, 20 µL C4 300Å resin	96
PTB-91-40-52	1 mL PhyTip® column, 40 µL C4 300Å resin	96
PTB-91-80-52	1 mL PhyTip® column, 80 µL C4 300Å resin	96
PTB-91-16-52	1 mL PhyTip® column, 160 µL C4 300Å resin	96

Normal Phase 1 Resin		
PTB-92-05-09	200 µL PhyTip® column, 5 µL Normal Phase 1 resin	96
PTB-92-20-09	200 µL PhyTip® column, 20 µL Normal Phase 1 resin	96
PTB-91-10-09	1 mL PhyTip® column, 10 µL Normal Phase 1 resin	96
PTB-91-20-09	1 mL PhyTip® column, 20 µL Normal Phase 1 resin	96
PTB-91-40-09	1 mL PhyTip® column, 40 µL Normal Phase 1 resin	96
PTB-91-80-09	1 mL PhyTip® column, 80 µL Normal Phase 1 resin	96
PTB-91-16-09	1 mL PhyTip® column, 160 µL Normal Phase 1 resin	96

AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect® AAVX Resin		
PTB-92-05-33	200 µL PhyTip® column, 5 µL CaptureSelect AAVX resin	96
PTB-92-20-33	200 µL PhyTip® column, 20 µL CaptureSelect AAVX resin	96
PTB-91-10-33	1 mL PhyTip® column, 10 µL CaptureSelect AAVX resin	96
PTB-91-20-33	1 mL PhyTip® column, 20 µL CaptureSelect AAVX resin	96
PTB-91-40-33	1 mL PhyTip® column, 40 µL CaptureSelect AAVX resin	96
PTB-91-80-33	1 mL PhyTip® column, 80 µL CaptureSelect AAVX resin	96
PTB-91-16-33	1 mL PhyTip® column, 160 µL CaptureSelect AAVX resin	96

Gel Filtration/Desalting PhyTip® Column

Part Number	Description	Qty.
5K Desalting Resin		
PDR-91-20-06	1 mL PhyTip® column, 200 µL 5K desalting resin	96
PDR-91-60-06	1 mL PhyTip® column, 600 µL 5K desalting resin	96
30K Desalting Resin		
PDR-91-20-17	1 mL PhyTip® column, 200 µL 30K desalting resin	96
PDR-91-60-17	1 mL PhyTip® column, 600 µL 30K desalting resin	96

Accessories

Part Number	Description	Qty.
DAB-12-000-02	PhyTip column transfer tool. Allows user to manually transfer 12 Beckman tips at a time from one tip rack to another.	1
DAB-96-000-01	Drying station adaptor for Lysate Direct PhyTip columns for Beckman system. Necessary for automated plasmid MiniPrep	1

*Corresponding Buffer kit available for ordering.

Beckman Coulter

FX | NX 96-well

Tip volumes(μL)	200			
Resin volumes(μL)	5	20	40	80

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTB-92-05-01	200 μL PhyTip® column, 5 μL Protein A resin	96
PTB-92-20-01	200 μL PhyTip® column, 20 μL Protein A resin	96
Protein G Affinity Resin*		
PTB-92-05-02	200 μL PhyTip® column, 5 μL Protein G resin	96
PTB-92-20-02	200 μL PhyTip® column, 20 μL Protein G resin	96
ProPlus (MabSelect SuRe®) Affinity Resin*		
PTB-92-05-07	200 μL PhyTip® column, 5 μL ProPlus resin	96
PTB-92-20-07	200 μL PhyTip® column, 20 μL ProPlus resin	96
ProPlus LX (MabSelect SuRe® LX) Affinity Resin		
PTB-92-05-26	200 μL PhyTip® column, 5 μL ProPlus LX resin	96
PTB-92-20-26	200 μL PhyTip® column, 20 μL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTB-92-05-30	200 μL PhyTip® column, 5 μL POROS CaptureSelect IgM resin	96
PTB-92-20-30	200 μL PhyTip® column, 20 μL POROS CaptureSelect IgM resin	96
PTB-92-05-32	200 μL PhyTip® column, 5 μL CaptureSelect FcXL resin	96
PTB-92-20-32	200 μL PhyTip® column, 20 μL CaptureSelect FcXL resin	96
PTB-92-05-24	200 μL PhyTip® column, 5 μL CaptureSelect IgG-Fc (ms) resin	96
PTB-92-20-24	200 μL PhyTip® column, 20 μL CaptureSelect IgG-Fc (ms) resin	96
PTB-92-05-31	200 μL PhyTip® column, 5 μL CaptureSelect KappaXL resin	96
PTB-92-20-31	200 μL PhyTip® column, 20 μL CaptureSelect KappaXL resin	96
PTB-92-05-35	200 μL PhyTip® column, 5 μL CaptureSelect LambdaXP resin	96
PTB-92-20-35	200 μL PhyTip® column, 20 μL CaptureSelect LambdaXP resin	96

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTB-92-05-03	200 μL PhyTip® column, 5 μL IMAC resin	96
PTB-92-20-03	200 μL PhyTip® column, 20 μL IMAC resin	96
Glutathione Affinity Resin		
PTB-92-05-04	200 μL PhyTip® column, 5 μL Glutathione resin	96
PTB-92-20-04	200 μL PhyTip® column, 20 μL Glutathione resin	96
Streptavidin Affinity Resin		
PTB-92-05-05	200 μL PhyTip® column, 5 μL Streptavidin resin	96
PTB-92-20-05	200 μL PhyTip® column, 20 μL Streptavidin resin	96

*Corresponding Buffer kit available for ordering.

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTB-92-05-11	200 μL PhyTip® column, 5 μL Strong Anion resin	96
PTB-92-20-11	200 μL PhyTip® column, 20 μL Strong Anion resin	96
Strong Cation Resin		
PTB-92-05-13	200 μL PhyTip® column, 5 μL Strong Cation resin	96
PTB-92-20-13	200 μL PhyTip® column, 20 μL Strong Cation resin	96
Weak Anion Resin		
PTB-92-05-12	200 μL PhyTip® column, 5 μL Weak Anion resin	96
PTB-92-20-12	200 μL PhyTip® column, 20 μL Weak Anion resin	96
Weak Cation Resin		
PTB-92-05-14	200 μL PhyTip® column, 5 μL Weak Cation resin	96
PTB-92-20-14	200 μL PhyTip® column, 20 μL Weak Cation resin	96
Reversed Phase Resin C18 90Å Pore Size		
PTB-92-05-18	200 μL PhyTip® column, 5 μL C18 90Å resin	96
PTB-92-20-18	200 μL PhyTip® column, 20 μL C18 90Å resin	96
Reversed Phase Resin C18 300Å Pore Size		
PTB-92-05-19	200 μL PhyTip® column, 5 μL C18 300Å resin	96
PTB-92-20-19	200 μL PhyTip® column, 20 μL C18 300Å resin	96
Reversed Phase Resin C4 300Å Pore Size		
PTB-92-05-52	200 μL PhyTip® column, 5 μL C4 300Å resin	96
PTB-92-20-52	200 μL PhyTip® column, 20 μL C4 300Å resin	96
Normal Phase 1 Resin		
PTB-92-05-09	200 μL PhyTip® column, 5 μL Normal Phase 1 resin	96
PTB-92-20-09	200 μL PhyTip® column, 20 μL Normal Phase 1 resin	96

AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect® AAVX Resin		
PTB-92-05-33	200 μL PhyTip® column, 5 μL CaptureSelect AAVX resin	96
PTB-92-20-33	200 μL PhyTip® column, 20 μL CaptureSelect AAVX resin	96

Gel Filtration/Desalting PhyTip® Column

Part Number	Description	Qty.
5K Desalting Resin		
PDR-91-20-06	1 mL PhyTip® column, 200 μL 5K desalting resin	96
PDR-91-60-06	1 mL PhyTip® column, 600 μL 5K desalting resin	96
30K Desalting Resin		
PDR-91-20-17	1 mL PhyTip® column, 200 μL 30K desalting resin	96
PDR-91-60-17	1 mL PhyTip® column, 600 μL 30K desalting resin	96

Plasmid Purification PhyTip® Columns

Part Number	Description	Qty.
Plasmid Miniprep		
DPB-92-40-70	200 μL PhyTip® column, 40 μL Miniprep silica and buffers for Plasmid Miniprep	96
DPB-92-80-70	200 μL PhyTip® column, 80 μL Miniprep silica and buffers for Plasmid Miniprep	96
DPB-92-80-70-10	200 μL PhyTip® column, 80 μL Miniprep silica and buffers for Plasmid Miniprep, 10 boxes	960

Accessories

Part Number	Description	Qty.
DAB-12-000-02	PhyTip column transfer tool. Allows user to manually transfer 12 Beckman tips at a time from one tip rack to another.	1
DAB-96-000-01	Drying station adaptor for Lysate Direct PhyTip columns for Beckman system.	1
PHF-96-200-01	Desalting Adaptor Block for 200 μL Desalting columns for robotic platforms with gripper arm	1
PHF-96-600-01	Desalting Adaptor Block for 600 μL Desalting columns for robotic platforms with gripper arm	1

Biotage

ME | MEA 2 200 µL pipette

Tip volumes(µL)	200
Resin volumes(µL)	5 20

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTR-92-05-01	200 µL PhyTip® column, 5 µL Protein A resin	96
PTR-92-20-01	200 µL PhyTip® column, 20 µL Protein A resin	96
Protein G Affinity Resin*		
PTR-92-05-02	200 µL PhyTip® column, 5 µL Protein G resin	96
PTR-92-20-02	200 µL PhyTip® column, 20 µL Protein G resin	96
ProPlus (MabSelect SuRe™) Affinity Resin*		
PTR-92-05-07	200 µL PhyTip® column, 5 µL ProPlus resin	96
PTR-92-20-07	200 µL PhyTip® column, 20 µL ProPlus resin	96
ProPlus LX (MabSelect SuRe™ LX) Affinity Resin		
PTR-92-05-26	200 µL PhyTip® column, 5 µL ProPlus LX resin	96
PTR-92-20-26	200 µL PhyTip® column, 20 µL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTR-92-05-30	200 µL PhyTip® column, 5 µL POROS CaptureSelect IgM resin	96
PTR-92-20-30	200 µL PhyTip® column, 20 µL POROS CaptureSelect IgM resin	96
PTR-92-05-32	200 µL PhyTip® column, 5 µL CaptureSelect FcXL resin	96
PTR-92-20-32	200 µL PhyTip® column, 20 µL CaptureSelect FcXL resin	96
PTR-92-05-24	200 µL PhyTip® column, 5 µL CaptureSelect IgG-Fc (ms) resin	96
PTR-92-20-24	200 µL PhyTip® column, 20 µL CaptureSelect IgG-Fc (ms) resin	96
PTR-92-05-31	200 µL PhyTip® column, 5 µL CaptureSelect KappaXL resin	96
PTR-92-20-31	200 µL PhyTip® column, 20 µL CaptureSelect KappaXL resin	96
PTR-92-05-35	200 µL PhyTip® column, 5 µL CaptureSelect LambdaXP resin	96
PTR-92-20-35	200 µL PhyTip® column, 20 µL CaptureSelect LambdaXP resin	96

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTR-92-05-03	200 µL PhyTip® column, 5 µL IMAC resin	96
PTR-92-20-03	200 µL PhyTip® column, 20 µL IMAC resin	96
Glutathione Affinity Resin		
PTR-92-05-04	200 µL PhyTip® column, 5 µL Glutathione resin	96
PTR-92-20-04	200 µL PhyTip® column, 20 µL Glutathione resin	96
Streptavidin Affinity Resin		
PTR-92-05-05	200 µL PhyTip® column, 5 µL Streptavidin resin	96
PTR-92-20-05	200 µL PhyTip® column, 20 µL Streptavidin resin	96

*Corresponding Buffer kit available for ordering.

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTR-92-05-11	200 µL PhyTip® column, 5 µL Strong Anion resin	96
PTR-92-20-11	200 µL PhyTip® column, 20 µL Strong Anion resin	96
Strong Cation Resin		
PTR-92-05-13	200 µL PhyTip® column, 5 µL Strong Cation resin	96
PTR-92-20-13	200 µL PhyTip® column, 20 µL Strong Cation resin	96
Weak Anion Resin		
PTR-92-05-12	200 µL PhyTip® column, 5 µL Weak Anion resin	96
PTR-92-20-12	200 µL PhyTip® column, 20 µL Weak Anion resin	96
Weak Cation Resin		
PTR-92-05-14	200 µL PhyTip® column, 5 µL Weak Cation resin	96
PTR-92-20-14	200 µL PhyTip® column, 20 µL Weak Cation resin	96
Reversed Phase Resin C18 90Å Pore Size		
PTR-92-05-18	200 µL PhyTip® column, 5 µL C18 90Å resin	96
PTR-92-20-18	200 µL PhyTip® column, 20 µL C18 90Å resin	96
Reversed Phase Resin C18 300Å Pore Size		
PTR-92-05-19	200 µL PhyTip® column, 5 µL C18 300Å resin	96
PTR-92-20-19	200 µL PhyTip® column, 20 µL C18 300Å resin	96
Reversed Phase Resin C4 300Å Pore Size		
PTR-92-05-52	200 µL PhyTip® column, 5 µL C4 300Å resin	96
PTR-92-20-52	200 µL PhyTip® column, 20 µL C4 300Å resin	96
Normal Phase 1 Resin		
PTR-92-05-09	200 µL PhyTip® column, 5 µL Normal Phase 1 resin	96
PTR-92-20-09	200 µL PhyTip® column, 20 µL Normal Phase 1 resin	96

AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect™ AAVX Resin		
PTR-92-05-33	1 mL PhyTip® column, 5 µL CaptureSelect AAVX resin	96
PTR-92-20-33	1 mL PhyTip® column, 20 µL CaptureSelect AAVX resin	96

Gel Filtration/Desalting PhyTip® Column

Part Number	Description	Qty.
5K Desalting Resin		
PDR-91-20-06	1 mL PhyTip® column, 200 µL 5K desalting resin	96
PDR-91-60-06	1 mL PhyTip® column, 600 µL 5K desalting resin	96
30K Desalting Resin		
PDR-91-20-17	1 mL PhyTip® column, 200 µL 30K desalting resin	96
PDR-91-60-17	1 mL PhyTip® column, 600 µL 30K desalting resin	96

Accessories

Part Number	Description	Qty.
PHR-96-020-11	200 µL pipette head for MEA 2 System	1
PHR-96-260-01	Desalting adaptor block for 200/600 µL columns for MEA2	1
PHR-96-900-00	Laptop computer for MEA Platform	1
PXX-99-00-00	MEA Chiller unit Power Supply	1

Biotage

ME | MEA 2 1200 µL pipette

Tip volumes(µL)	1000					
Resin volumes(µL)	10	20	40	80	160	320

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTR-91-10-01	1 mL PhyTip® column, 10 µL Protein A resin	96
PTR-91-20-01	1 mL PhyTip® column, 20 µL Protein A resin	96
PTR-91-40-01	1 mL PhyTip® column, 40 µL Protein A resin	96
PTR-91-80-01	1 mL PhyTip® column, 80 µL Protein A resin	96
PTR-91-16-01	1 mL PhyTip® column, 160 µL Protein A resin	96
PTR-91-32-01	1 mL PhyTip® column, 320 µL Protein A resin	96
Protein G Affinity Resin*		
PTR-91-10-02	1 mL PhyTip® column, 10 µL Protein G resin	96
PTR-91-20-02	1 mL PhyTip® column, 20 µL Protein G resin	96
PTR-91-40-02	1 mL PhyTip® column, 40 µL Protein G resin	96
PTR-91-80-02	1 mL PhyTip® column, 80 µL Protein G resin	96
PTR-91-16-02	1 mL PhyTip® column, 160 µL Protein G resin	96
PTR-91-32-02	1 mL PhyTip® column, 320 µL Protein G resin	96
ProPlus (MabSelect SuRe®) Affinity Resin*		
PTR-91-10-07	1 mL PhyTip® column, 10 µL ProPlus resin	96
PTR-91-20-07	1 mL PhyTip® column, 20 µL ProPlus resin	96
PTR-91-40-07	1 mL PhyTip® column, 40 µL ProPlus resin	96
PTR-91-80-07	1 mL PhyTip® column, 80 µL ProPlus resin	96
PTR-91-16-07	1 mL PhyTip® column, 160 µL ProPlus resin	96
PTR-91-32-07	1 mL PhyTip® column, 320 µL ProPlus resin	96
ProPlus LX (MabSelect SuRe® LX) Affinity Resin		
PTR-91-10-26	1 mL PhyTip® column, 10 µL ProPlus LX resin	96
PTR-91-20-26	1 mL PhyTip® column, 20 µL ProPlus LX resin	96
PTR-91-40-26	1 mL PhyTip® column, 40 µL ProPlus LX resin	96
PTR-91-80-26	1 mL PhyTip® column, 80 µL ProPlus LX resin	96
PTR-91-16-26	1 mL PhyTip® column, 160 µL ProPlus LX resin	96
PTR-91-32-26	1 mL PhyTip® column, 320 µL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTR-91-10-30	1 mL PhyTip® column, 10 µL POROS CaptureSelect IgM resin	96
PTR-91-20-30	1 mL PhyTip® column, 20 µL POROS CaptureSelect IgM resin	96
PTR-91-10-32	1 mL PhyTip® column, 10 µL CaptureSelect FcXL resin	96
PTR-91-20-32	1 mL PhyTip® column, 20 µL CaptureSelect FcXL resin	96
PTR-91-10-24	1 mL PhyTip® column, 10 µL CaptureSelect IgG-Fc (ms) resin	96
PTR-91-20-24	1 mL PhyTip® column, 20 µL CaptureSelect IgG-Fc (ms) resin	96
PTR-91-10-31	1 mL PhyTip® column, 10 µL CaptureSelect KappaXL resin	96
PTR-91-20-31	1 mL PhyTip® column, 20 µL CaptureSelect KappaXL resin	96
PTR-91-10-35	1 mL PhyTip® column, 10 µL CaptureSelect LambdaXP resin	96
PTR-91-20-35	1 mL PhyTip® column, 20 µL CaptureSelect LambdaXP resin	96

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTR-91-10-03	1 mL PhyTip® column, 10 µL IMAC resin	96
PTR-91-20-03	1 mL PhyTip® column, 20 µL IMAC resin	96
PTR-91-40-03	1 mL PhyTip® column, 40 µL IMAC resin	96
PTR-91-80-03	1 mL PhyTip® column, 80 µL IMAC resin	96
PTR-91-16-03	1 mL PhyTip® column, 160 µL IMAC resin	96
PTR-91-32-03	1 mL PhyTip® column, 320 µL IMAC resin	96
Glutathione Affinity Resin		
PTR-91-10-04	1 mL PhyTip® column, 10 µL Glutathione resin	96
PTR-91-20-04	1 mL PhyTip® column, 20 µL Glutathione resin	96
PTR-91-40-04	1 mL PhyTip® column, 40 µL Glutathione resin	96
PTR-91-80-04	1 mL PhyTip® column, 80 µL Glutathione resin	96
PTR-91-16-04	1 mL PhyTip® column, 160 µL Glutathione resin	96
PTR-91-32-04	1 mL PhyTip® column, 320 µL Glutathione resin	96
Streptavidin Affinity Resin		
PTR-91-10-05	1 mL PhyTip® column, 10 µL Streptavidin resin	96
PTR-91-20-05	1 mL PhyTip® column, 20 µL Streptavidin resin	96
PTR-91-40-05	1 mL PhyTip® column, 40 µL Streptavidin resin	96
PTR-91-80-05	1 mL PhyTip® column, 80 µL Streptavidin resin	96
PTR-91-16-05	1 mL PhyTip® column, 160 µL Streptavidin resin	96
PTR-91-32-05	1 mL PhyTip® column, 320 µL Streptavidin resin	96

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTR-91-10-11	1 mL PhyTip® column, 10 µL Strong Anion resin	96
PTR-91-20-11	1 mL PhyTip® column, 20 µL Strong Anion resin	96
PTR-91-40-11	1 mL PhyTip® column, 40 µL Strong Anion resin	96
PTR-91-80-11	1 mL PhyTip® column, 80 µL Strong Anion resin	96
PTR-91-16-11	1 mL PhyTip® column, 160 µL Strong Anion resin	96
PTR-91-32-11	1 mL PhyTip® column, 320 µL Strong Anion resin	96
Strong Cation Resin		
PTR-91-10-13	1 mL PhyTip® column, 10 µL Strong Cation resin	96
PTR-91-20-13	1 mL PhyTip® column, 20 µL Strong Cation resin	96
PTR-91-40-13	1 mL PhyTip® column, 40 µL Strong Cation resin	96
PTR-91-80-13	1 mL PhyTip® column, 80 µL Strong Cation resin	96
PTR-91-16-13	1 mL PhyTip® column, 160 µL Strong Cation resin	96
PTR-91-32-13	1 mL PhyTip® column, 320 µL Strong Cation resin	96
Weak Anion Resin		
PTR-91-10-12	1 mL PhyTip® column, 10 µL Weak Anion resin	96
PTR-91-20-12	1 mL PhyTip® column, 20 µL Weak Anion resin	96
PTR-91-40-12	1 mL PhyTip® column, 40 µL Weak Anion resin	96
PTR-91-80-12	1 mL PhyTip® column, 80 µL Weak Anion resin	96
PTR-91-16-12	1 mL PhyTip® column, 160 µL Weak Anion resin	96
PTR-91-32-12	1 mL PhyTip® column, 320 µL Weak Anion resin	96

Part Number	Description	Qty.
Weak Cation Resin		
PTR-91-10-14	1 mL PhyTip® column, 10 µL Weak Cation resin	96
PTR-91-20-14	1 mL PhyTip® column, 20 µL Weak Cation resin	96
PTR-91-40-14	1 mL PhyTip® column, 40 µL Weak Cation resin	96
PTR-91-80-14	1 mL PhyTip® column, 80 µL Weak Cation resin	96
PTR-91-16-14	1 mL PhyTip® column, 160 µL Weak Cation resin	96
PTR-91-32-14	1 mL PhyTip® column, 320 µL Weak Cation resin	96
Reversed Phase Resin C18 90Å Pore Size		
PTR-91-10-18	1 mL PhyTip® column, 10 µL C18 90Å pore resin	96
PTR-91-20-18	1 mL PhyTip® column, 20 µL C18 90Å pore resin	96
PTR-91-40-18	1 mL PhyTip® column, 40 µL C18 90Å pore resin	96
PTR-91-80-18	1 mL PhyTip® column, 80 µL C18 90Å pore resin	96
PTR-91-16-18	1 mL PhyTip® column, 160 µL C18 90Å pore resin	96
PTR-91-32-18	1 mL PhyTip® column, 320 µL C18 90Å pore resin	96
Reversed Phase Resin C18 300Å Pore Size		
PTR-91-10-19	1 mL PhyTip® column, 10 µL C18 300 Å resin	96
PTR-91-20-19	1 mL PhyTip® column, 20 µL C18 300 Å resin	96
PTR-91-40-19	1 mL PhyTip® column, 40 µL C18 300 Å resin	96
PTR-91-80-19	1 mL PhyTip® column, 80 µL C18 300 Å resin	96
PTR-91-16-19	1 mL PhyTip® column, 160 µL C18 300 Å resin	96
PTR-91-32-19	1 mL PhyTip® column, 320 µL C18 300Å pore resin	96
Reversed Phase Resin C4 300Å Pore Size		
PTR-91-10-52	1 mL PhyTip® column, 10 µL C4 300Å pore resin	96
PTR-91-20-52	1 mL PhyTip® column, 20 µL C4 300Å pore resin	96
PTR-91-40-52	1 mL PhyTip® column, 40 µL C4 300Å pore resin	96
PTR-91-80-52	1 mL PhyTip® column, 80 µL C4 300Å pore resin	96
PTR-91-16-52	1 mL PhyTip® column, 160 µL C4 300Å pore resin	96
PTR-91-32-52	1 mL PhyTip® column, 320 µL C4 300Å pore resin	96
Normal Phase 1 Resin		
PTR-91-10-09	1 mL PhyTip® column, 10 µL Normal Phase 1 resin	96
PTR-91-20-09	1 mL PhyTip® column, 20 µL Normal Phase 1 resin	96

AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect® AAVX Resin		
PTR-91-10-33	1 mL PhyTip® column, 10 µL CaptureSelect AAVX resin	96
PTR-91-20-33	1 mL PhyTip® column, 20 µL CaptureSelect AAVX resin	96
PTR-91-40-33	1 mL PhyTip® column, 40 µL CaptureSelect AAVX resin	96
PTR-91-80-33	1 mL PhyTip® column, 80 µL CaptureSelect AAVX resin	96
PTR-91-16-33	1 mL PhyTip® column, 160 µL CaptureSelect AAVX resin	96

Gel Filtration/Desalting PhyTip® Column

Part Number	Description	Qty.
5K Desalting Resin		
PDR-91-20-06	1 mL PhyTip® column, 200 µL 5K desalting resin	96
PDR-91-60-06	1 mL PhyTip® column, 600 µL 5K desalting resin	96
30K Desalting Resin		
PDR-91-20-17	1 mL PhyTip® column, 200 µL 30K desalting resin	96
PDR-91-60-17	1 mL PhyTip® column, 600 µL 30K desalting resin	96

Plasmid Purification PhyTip® Columns

Part Number	Description	Qty.
Plasmid Miniprep - Only available for MEA2		
DPR-91-40-70	1 mL PhyTip® column, 40 µL Miniprep silica and buffers for Plasmid Miniprep	96
DPR-91-80-70	1 mL PhyTip® column, 80 µL Miniprep silica and buffers for Plasmid Miniprep	96

Accessories

Part Number	Description	Qty.
PHR-96-100-11	1000 µL pipette head for MEA 2 System	1
PHR-96-260-01	Desalting adaptor block for 200/600 µL columns for MEA2	1
PHR-96-900-00	Laptop computer for MEA Platform	1
PXX-99-00-00	MEA Chiller unit Power Supply	1

*Corresponding Buffer kit available for ordering.

Dynamic Devices

Lynx

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTX-93-05-01	300 µL PhyTip® column, 5 µL Protein A resin	96
PTX-93-20-01	300 µL PhyTip® column, 20 µL Protein A resin	96
PTX-91-10-01	1 mL PhyTip® column, 10 µL Protein A resin	96
PTX-91-20-01	1 mL PhyTip® column, 20 µL Protein A resin	96
PTX-91-40-01	1 mL PhyTip® column, 40 µL Protein A resin	96
PTX-91-80-01	1 mL PhyTip® column, 80 µL Protein A resin	96
PTX-91-16-01	1 mL PhyTip® column, 160 µL Protein A resin	96
Protein G Affinity Resin*		
PTX-93-05-02	300 µL PhyTip® column, 5 µL Protein G resin	96
PTX-93-20-02	300 µL PhyTip® column, 20 µL Protein G resin	96
PTX-91-10-02	1 mL PhyTip® column, 10 µL Protein G resin	96
PTX-91-20-02	1 mL PhyTip® column, 20 µL Protein G resin	96
PTX-91-40-02	1 mL PhyTip® column, 40 µL Protein G resin	96
PTX-91-80-02	1 mL PhyTip® column, 80 µL Protein G resin	96
PTX-91-16-02	1 mL PhyTip® column, 160 µL Protein G resin	96
ProPlus (MabSelect SuRe®) Affinity Resin*		
PTX-93-05-07	300 µL PhyTip® column, 5 µL ProPlus resin	96
PTX-93-20-07	300 µL PhyTip® column, 20 µL ProPlus resin	96
PTX-91-10-07	1 mL PhyTip® column, 10 µL ProPlus resin	96
PTX-91-20-07	1 mL PhyTip® column, 20 µL ProPlus resin	96
PTX-91-40-07	1 mL PhyTip® column, 40 µL ProPlus resin	96
PTX-91-80-07	1 mL PhyTip® column, 80 µL ProPlus resin	96
PTX-91-16-07	1 mL PhyTip® column, 160 µL ProPlus resin	96
ProPlus LX (MabSelect SuRe® LX) Affinity Resin		
PTX-93-05-26	300 µL PhyTip® column, 5 µL ProPlus LX resin	96
PTX-93-20-26	300 µL PhyTip® column, 20 µL ProPlus LX resin	96
PTX-91-10-26	1 mL PhyTip® column, 10 µL ProPlus LX resin	96
PTX-91-20-26	1 mL PhyTip® column, 20 µL ProPlus LX resin	96
PTX-91-40-26	1 mL PhyTip® column, 40 µL ProPlus LX resin	96
PTX-91-80-26	1 mL PhyTip® column, 80 µL ProPlus LX resin	96
PTX-91-16-26	1 mL PhyTip® column, 160 µL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTX-93-05-30	300 µL PhyTip® column, 5 µL POROS CaptureSelect IgM resin	96
PTX-93-20-30	300 µL PhyTip® column, 20 µL POROS CaptureSelect IgM resin	96
PTX-91-10-30	1 mL PhyTip® column, 10 µL POROS CaptureSelect IgM resin	96
PTX-91-20-30	1 mL PhyTip® column, 20 µL POROS CaptureSelect IgM resin	96
PTX-93-05-32	300 µL PhyTip® column, 5 µL CaptureSelect FcXL resin	96
PTX-93-20-32	300 µL PhyTip® column, 20 µL CaptureSelect FcXL resin	96
PTX-91-10-32	1 mL PhyTip® column, 10 µL CaptureSelect FcXL resin	96

*Corresponding Buffer kit available for ordering.

Tip volumes(µL)	300		1000				
Resin volumes(µL)	5	20	10	20	40	80	160

Part Number	Description	Qty.
PTX-91-20-32	1 mL PhyTip® column, 20 µL CaptureSelect FcXL resin	96
PTX-93-05-24	300 µL PhyTip® column, 5 µL CaptureSelect IgG-Fc (ms) resin	96
PTX-93-20-24	300 µL PhyTip® column, 20 µL CaptureSelect IgG-Fc (ms) resin	96
PTX-91-10-24	1 mL PhyTip® column, 10 µL CaptureSelect IgG-Fc (ms) resin	96
PTX-91-20-24	1 mL PhyTip® column, 20 µL CaptureSelect IgG-Fc (ms) resin	96
PTX-93-05-31	300 µL PhyTip® column, 5 µL CaptureSelect KappaXL resin	96
PTX-93-20-31	300 µL PhyTip® column, 20 µL CaptureSelect KappaXL resin	96
PTX-91-10-31	1 mL PhyTip® column, 10 µL CaptureSelect KappaXL resin	96
PTX-91-20-31	1 mL PhyTip® column, 20 µL CaptureSelect KappaXL resin	96
PTX-93-05-35	300 µL PhyTip® column, 5 µL CaptureSelect LambdaXP resin	96
PTX-93-20-35	300 µL PhyTip® column, 20 µL CaptureSelect LambdaXP resin	96
PTX-91-10-35	1 mL PhyTip® column, 10 µL CaptureSelect LambdaXP resin	96
PTX-91-20-35	1 mL PhyTip® column, 20 µL CaptureSelect LambdaXP resin	96

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTX-93-05-03	300 µL PhyTip® column, 5 µL IMAC resin	96
PTX-93-20-03	300 µL PhyTip® column, 20 µL IMAC resin	96
PTX-91-10-03	1 mL PhyTip® column, 10 µL IMAC resin	96
PTX-91-20-03	1 mL PhyTip® column, 20 µL IMAC resin	96
PTX-91-40-03	1 mL PhyTip® column, 40 µL IMAC resin	96
PTX-91-80-03	1 mL PhyTip® column, 80 µL IMAC resin	96
PTX-91-16-03	1 mL PhyTip® column, 160 µL IMAC resin	96
Glutathione Affinity Resin		
PTX-93-05-04	300 µL PhyTip® column, 5 µL Glutathione resin	96
PTX-93-20-04	300 µL PhyTip® column, 20 µL Glutathione resin	96
PTX-91-10-04	1 mL PhyTip® column, 10 µL Glutathione resin	96
PTX-91-20-04	1 mL PhyTip® column, 20 µL Glutathione resin	96
PTX-91-40-04	1 mL PhyTip® column, 40 µL Glutathione resin	96
PTX-91-80-04	1 mL PhyTip® column, 80 µL Glutathione resin	96
PTX-91-16-04	1 mL PhyTip® column, 160 µL Glutathione resin	96

Part Number	Description	Qty.
Streptavidin Affinity Resin		
PTX-93-05-05	300 µL PhyTip® column, 5 µL Streptavidin resin	96
PTX-93-20-05	300 µL PhyTip® column, 20 µL Streptavidin resin	96
PTX-91-10-05	1 mL PhyTip® column, 10 µL Streptavidin resin	96
PTX-91-20-05	1 mL PhyTip® column, 20 µL Streptavidin resin	96
PTX-91-40-05	1 mL PhyTip® column, 40 µL Streptavidin resin	96
PTX-91-80-05	1 mL PhyTip® column, 80 µL Streptavidin resin	96
PTX-91-16-05	1 mL PhyTip® column, 160 µL Streptavidin resin	96

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTX-93-05-11	300 µL PhyTip® column, 5 µL Strong Anion resin	96
PTX-93-20-11	300 µL PhyTip® column, 20 µL Strong Anion resin	96
PTX-91-10-11	1 mL PhyTip® column, 10 µL Strong Anion resin	96
PTX-91-20-11	1 mL PhyTip® column, 20 µL Strong Anion resin	96
PTX-91-40-11	1 mL PhyTip® column, 40 µL Strong Anion resin	96
PTX-91-80-11	1 mL PhyTip® column, 80 µL Strong Anion resin	96
PTX-91-16-11	1 mL PhyTip® column, 160 µL Strong Anion resin	96
Strong Cation Resin		
PTX-93-05-13	300 µL PhyTip® column, 5 µL Strong Cation resin	96
PTX-93-20-13	300 µL PhyTip® column, 20 µL Strong Cation resin	96
PTX-91-10-13	1 mL PhyTip® column, 10 µL Strong Cation resin	96
PTX-91-20-13	1 mL PhyTip® column, 20 µL Strong Cation resin	96
PTX-91-40-13	1 mL PhyTip® column, 40 µL Strong Cation resin	96
PTX-91-80-13	1 mL PhyTip® column, 80 µL Strong Cation resin	96
PTX-91-16-13	1 mL PhyTip® column, 160 µL Strong Cation resin	96

Weak Anion Resin		
PTX-93-05-12	300 µL PhyTip® column, 5 µL Weak Anion resin	96
PTX-93-20-12	300 µL PhyTip® column, 20 µL Weak Anion resin	96
PTX-91-10-12	1 mL PhyTip® column, 10 µL Weak Anion resin	96
PTX-91-20-12	1 mL PhyTip® column, 20 µL Weak Anion resin	96
PTX-91-40-12	1 mL PhyTip® column, 40 µL Weak Anion resin	96
PTX-91-80-12	1 mL PhyTip® column, 80 µL Weak Anion resin	96
PTX-91-16-12	1 mL PhyTip® column, 160 µL Weak Anion resin	96

Weak Cation Resin		
PTX-93-05-14	300 µL PhyTip® column, 5 µL Weak Cation resin	96
PTX-93-20-14	300 µL PhyTip® column, 20 µL Weak Cation resin	96
PTX-91-10-14	1 mL PhyTip® column, 10 µL Weak Cation resin	96
PTX-91-20-14	1 mL PhyTip® column, 20 µL Weak Cation resin	96
PTX-91-40-14	1 mL PhyTip® column, 40 µL Weak Cation resin	96
PTX-91-80-14	1 mL PhyTip® column, 80 µL Weak Cation resin	96
PTX-91-16-14	1 mL PhyTip® column, 160 µL Weak Cation resin	96

Reversed Phase Resin C18 90Å Pore Size		
PTX-93-05-18	300 µL PhyTip® column, 5 µL C18 90Å resin	96
PTX-93-20-18	300 µL PhyTip® column, 20 µL C18 90Å resin	96
PTX-91-10-18	1 mL PhyTip® column, 10 µL C18 90Å resin	96
PTX-91-20-18	1 mL PhyTip® column, 20 µL C18 90Å resin	96
PTX-91-40-18	1 mL PhyTip® column, 40 µL C18 90Å resin	96
PTX-91-80-18	1 mL PhyTip® column, 80 µL C18 90Å resin	96
PTX-91-16-18	1 mL PhyTip® column, 160 µL C18 90Å resin	96

Part Number	Description	Qty.
Reversed Phase Resin C18 300Å Pore Size		
PTX-93-05-19	300 µL PhyTip® column, 5 µL C18 300Å resin	96
PTX-93-20-19	300 µL PhyTip® column, 20 µL C18 300Å resin	96
PTX-91-10-19	1 mL PhyTip® column, 10 µL C18 300Å resin	96
PTX-91-20-19	1 mL PhyTip® column, 20 µL C18 300Å resin	96
PTX-91-40-19	1 mL PhyTip® column, 40 µL C18 300Å resin	96
PTX-91-80-19	1 mL PhyTip® column, 80 µL C18 300Å resin	96
PTX-91-16-19	1 mL PhyTip® column, 160 µL C18 300Å resin	96

Reversed Phase Resin C4 300Å Pore Size		
PTX-93-05-52	300 µL PhyTip® column, 5 µL C4 300Å resin	96
PTX-93-20-52	300 µL PhyTip® column, 20 µL C4 300Å resin	96
PTX-91-10-52	1 mL PhyTip® column, 10 µL C4 300Å resin	96
PTX-91-20-52	1 mL PhyTip® column, 20 µL C4 300Å resin	96
PTX-91-40-52	1 mL PhyTip® column, 40 µL C4 300Å resin	96
PTX-91-80-52	1 mL PhyTip® column, 80 µL C4 300Å resin	96
PTX-91-16-52	1 mL PhyTip® column, 160 µL C4 300Å resin	96

Normal Phase Resin		
PTX-93-05-09	300 µL PhyTip® column, 5 µL Normal Phase 1 resin	96
PTX-93-20-09	300 µL PhyTip® column, 20 µL Normal Phase 1 resin	96
PTX-91-10-09	1 mL PhyTip® column, 10 µL Normal Phase 1 resin	96
PTX-91-20-09	1 mL PhyTip® column, 20 µL Normal Phase 1 resin	96

AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect® AAVX Resin		
PTX-93-05-33	300 µL PhyTip® column, 5 µL CaptureSelect AAVX resin	96
PTX-93-20-33	300 µL PhyTip® column, 20 µL CaptureSelect AAVX resin	96
PTX-91-10-33	1 mL PhyTip® column, 10 µL CaptureSelect AAVX resin	96
PTX-91-20-33	1 mL PhyTip® column, 20 µL CaptureSelect AAVX resin	96
PTX-91-40-33	1 mL PhyTip® column, 40 µL CaptureSelect AAVX resin	96
PTX-91-80-33	1 mL PhyTip® column, 80 µL CaptureSelect AAVX resin	96
PTT-91-16-33	1 mL PhyTip® column, 160 µL CaptureSelect AAVX resin	96

Gel Filtration/Desalting PhyTip® Columns

Part Number	Description	Qty.
5K Desalting Resin		
PDR-91-20-06	1 mL PhyTip® column, 200 µL 5K desalting resin	96
PDR-91-60-06	1 mL PhyTip® column, 600 µL 5K desalting resin	96
30K Desalting Resin		
PDR-91-20-17	1 mL PhyTip® column, 200 µL 30K desalting resin	96
PDR-91-60-17	1 mL PhyTip® column, 600 µL 30K desalting resin	96

Plasmid Purification PhyTip® Columns

Part Number	Description	Qty.
Plasmid Miniprep		
DPX-91-80-70	1 mL PhyTip® column, 80 µL Miniprep silica and buffers for Plasmid Miniprep	96

Dynamic Devices

Oasis

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTT-92-05-01	200 µL PhyTip® column, 5 µL Protein A resin	96
PTT-92-20-01	200 µL PhyTip® column, 20 µL Protein A resin	96
PTT-91-10-01	1 mL PhyTip® column, 10 µL Protein A resin	96
PTT-91-20-01	1 mL PhyTip® column, 20 µL Protein A resin	96
PTT-91-40-01	1 mL PhyTip® column, 40 µL Protein A resin	96
PTT-91-80-01	1 mL PhyTip® column, 80 µL Protein A resin	96
PTT-91-16-01	1 mL PhyTip® column, 160 µL Protein A resin	96
Protein G Affinity Resin*		
PTT-92-05-02	200 µL PhyTip® column, 5 µL Protein G resin	96
PTT-92-20-02	200 µL PhyTip® column, 20 µL Protein G resin	96
PTT-91-10-02	1 mL PhyTip® column, 10 µL Protein G resin	96
PTT-91-20-02	1 mL PhyTip® column, 20 µL Protein G resin	96
PTT-91-40-02	1 mL PhyTip® column, 40 µL Protein G resin	96
PTT-91-80-02	1 mL PhyTip® column, 80 µL Protein G resin	96
PTT-91-16-02	1 mL PhyTip® column, 160 µL Protein G resin	96
ProPlus (MabSelect SuRe®) Affinity Resin*		
PTT-92-05-07	200 µL PhyTip® column, 5 µL ProPlus resin	96
PTT-92-20-07	200 µL PhyTip® column, 20 µL ProPlus resin	96
PTT-91-10-07	1 mL PhyTip® column, 10 µL ProPlus resin	96
PTT-91-20-07	1 mL PhyTip® column, 20 µL ProPlus resin	96
PTT-91-40-07	1 mL PhyTip® column, 40 µL ProPlus resin	96
PTT-91-80-07	1 mL PhyTip® column, 80 µL ProPlus resin	96
PTT-91-16-07	1 mL PhyTip® column, 160 µL ProPlus resin	96
ProPlus LX (MabSelect SuRe® LX) Affinity Resin		
PTT-92-05-26	200 µL PhyTip® column, 5 µL ProPlus LX resin	96
PTT-92-20-26	200 µL PhyTip® column, 20 µL ProPlus LX resin	96
PTT-91-10-26	1 mL PhyTip® column, 10 µL ProPlus LX resin	96
PTT-91-20-26	1 mL PhyTip® column, 20 µL ProPlus LX resin	96
PTT-91-40-26	1 mL PhyTip® column, 40 µL ProPlus LX resin	96
PTT-91-80-26	1 mL PhyTip® column, 80 µL ProPlus LX resin	96
PTT-91-16-26	1 mL PhyTip® column, 160 µL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTT-92-05-30	200 µL PhyTip® column, 5 µL POROS CaptureSelect IgM resin	96
PTT-92-20-30	200 µL PhyTip® column, 20 µL POROS CaptureSelect IgM resin	96
PTT-91-10-30	1 mL PhyTip® column, 10 µL POROS CaptureSelect IgM resin	96
PTT-91-20-30	1 mL PhyTip® column, 20 µL POROS CaptureSelect IgM resin	96
PTT-92-05-32	200 µL PhyTip® column, 5 µL CaptureSelect FcXL resin	96
PTT-92-20-32	200 µL PhyTip® column, 20 µL CaptureSelect FcXL resin	96
PTT-91-10-32	1 mL PhyTip® column, 10 µL CaptureSelect FcXL resin	96
PTT-91-20-32	1 mL PhyTip® column, 20 µL CaptureSelect FcXL resin	96
PTT-92-05-24	200 µL PhyTip® column, 5 µL CaptureSelect IgG-Fc (ms) resin	96

*Corresponding Buffer kit available for ordering.

Tip volumes(µL)	200		1000				
Resin volumes(µL)	5	20	10	20	40	80	160

Part Number	Description	Qty.
PTT-92-20-24	200 µL PhyTip® column, 20 µL CaptureSelect IgG-Fc (ms) resin	96
PTT-91-10-24	1 mL PhyTip® column, 10 µL CaptureSelect IgG-Fc (ms) resin	96
PTT-91-20-24	1 mL PhyTip® column, 20 µL CaptureSelect IgG-Fc (ms) resin	96
PTT-92-05-31	200 µL PhyTip® column, 5 µL CaptureSelect KappaXL resin	96
PTT-92-20-31	200 µL PhyTip® column, 20 µL CaptureSelect KappaXL resin	96
PTT-91-10-31	1 mL PhyTip® column, 10 µL CaptureSelect KappaXL resin	96
PTT-91-20-31	1 mL PhyTip® column, 20 µL CaptureSelect KappaXL resin	96
PTT-92-05-35	200 µL PhyTip® column, 5 µL CaptureSelect LambdaXP resin	96
PTT-92-20-35	200 µL PhyTip® column, 20 µL CaptureSelect LambdaXP resin	96
PTT-91-10-35	1 mL PhyTip® column, 10 µL CaptureSelect LambdaXP resin	96
PTT-91-20-35	1 mL PhyTip® column, 20 µL CaptureSelect LambdaXP resin	96

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTT-92-05-03	200 µL PhyTip® column, 5 µL IMAC resin	96
PTT-92-20-03	200 µL PhyTip® column, 20 µL IMAC resin	96
PTT-91-10-03	1 mL PhyTip® column, 10 µL IMAC resin	96
PTT-91-20-03	1 mL PhyTip® column, 20 µL IMAC resin	96
PTT-91-40-03	1 mL PhyTip® column, 40 µL IMAC resin	96
PTT-91-80-03	1 mL PhyTip® column, 80 µL IMAC resin	96
PTT-91-16-03	1 mL PhyTip® column, 160 µL IMAC resin	96
Glutathione Affinity Resin		
PTT-92-05-04	200 µL PhyTip® column, 5 µL Glutathione resin	96
PTT-92-20-04	200 µL PhyTip® column, 20 µL Glutathione resin	96
PTT-91-10-04	1 mL PhyTip® column, 10 µL Glutathione resin	96
PTT-91-20-04	1 mL PhyTip® column, 20 µL Glutathione resin	96
PTT-91-40-04	1 mL PhyTip® column, 40 µL Glutathione resin	96
PTT-91-80-04	1 mL PhyTip® column, 80 µL Glutathione resin	96
PTT-91-16-04	1 mL PhyTip® column, 160 µL Glutathione resin	96
Streptavidin Affinity Resin		
PTT-92-05-05	200 µL PhyTip® column, 5 µL Streptavidin resin	96
PTT-92-20-05	200 µL PhyTip® column, 20 µL Streptavidin resin	96
PTT-91-10-05	1 mL PhyTip® column, 10 µL Streptavidin resin	96
PTT-91-20-05	1 mL PhyTip® column, 20 µL Streptavidin resin	96
PTT-91-40-05	1 mL PhyTip® column, 40 µL Streptavidin resin	96
PTT-91-80-05	1 mL PhyTip® column, 80 µL Streptavidin resin	96
PTT-91-16-05	1 mL PhyTip® column, 160 µL Streptavidin resin	96

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTT-92-05-11	200 µL PhyTip® column, 5 µL Strong Anion resin	96
PTT-92-20-11	200 µL PhyTip® column, 20 µL Strong Anion resin	96
PTT-91-10-11	1 mL PhyTip® column, 10 µL Strong Anion resin	96
PTT-91-20-11	1 mL PhyTip® column, 20 µL Strong Anion resin	96
PTT-91-40-11	1 mL PhyTip® column, 40 µL Strong Anion resin	96
PTT-91-80-11	1 mL PhyTip® column, 80 µL Strong Anion resin	96
PTT-91-16-11	1 mL PhyTip® column, 160 µL Strong Anion resin	96
Strong Cation Resin		
PTT-92-05-13	200 µL PhyTip® column, 5 µL Strong Cation resin	96
PTT-92-20-13	200 µL PhyTip® column, 20 µL Strong Cation resin	96
PTT-91-10-13	1 mL PhyTip® column, 10 µL Strong Cation resin	96
PTT-91-20-13	1 mL PhyTip® column, 20 µL Strong Cation resin	96
PTT-91-40-13	1 mL PhyTip® column, 40 µL Strong Cation resin	96
PTT-91-80-13	1 mL PhyTip® column, 80 µL Strong Cation resin	96
PTT-91-16-13	1 mL PhyTip® column, 160 µL Strong Cation resin	96
Weak Anion Resin		
PTT-92-05-12	200 µL PhyTip® column, 5 µL Weak Anion resin	96
PTT-92-20-12	200 µL PhyTip® column, 20 µL Weak Anion resin	96
PTT-91-10-12	1 mL PhyTip® column, 10 µL Weak Anion resin	96
PTT-91-20-12	1 mL PhyTip® column, 20 µL Weak Anion resin	96
PTT-91-40-12	1 mL PhyTip® column, 40 µL Weak Anion resin	96
PTT-91-80-12	1 mL PhyTip® column, 80 µL Weak Anion resin	96
PTT-91-16-12	1 mL PhyTip® column, 160 µL Weak Anion resin	96
Weak Cation Resin		
PTT-92-05-14	200 µL PhyTip® column, 5 µL Weak Cation resin	96
PTT-92-20-14	200 µL PhyTip® column, 20 µL Weak Cation resin	96
PTT-91-10-14	1 mL PhyTip® column, 10 µL Weak Cation resin	96
PTT-91-20-14	1 mL PhyTip® column, 20 µL Weak Cation resin	96
PTT-91-40-14	1 mL PhyTip® column, 40 µL Weak Cation resin	96
PTT-91-80-14	1 mL PhyTip® column, 80 µL Weak Cation resin	96
PTT-91-16-14	1 mL PhyTip® column, 160 µL Weak Cation resin	96
Reversed Phase Resin C18 90Å Pore Size		
PTT-92-05-18	200 µL PhyTip® column, 5 µL C18 90Å resin	96
PTT-92-20-18	200 µL PhyTip® column, 20 µL C18 90Å resin	96
PTT-91-10-18	1 mL PhyTip® column, 10 µL C18 90Å resin	96
PTT-91-20-18	1 mL PhyTip® column, 20 µL C18 90Å resin	96
PTT-91-40-18	1 mL PhyTip® column, 40 µL C18 90Å resin	96
PTT-91-80-18	1 mL PhyTip® column, 80 µL C18 90Å resin	96
PTT-91-16-18	1 mL PhyTip® column, 160 µL C18 90Å resin	96
Reversed Phase Resin C18 300Å Pore Size		
PTT-92-05-19	200 µL PhyTip® column, 5 µL C18 300Å resin	96
PTT-92-20-19	200 µL PhyTip® column, 20 µL C18 300Å resin	96
PTT-91-10-19	1 mL PhyTip® column, 10 µL C18 300Å resin	96
PTT-91-20-19	1 mL PhyTip® column, 20 µL C18 300Å resin	96
PTT-91-40-19	1 mL PhyTip® column, 40 µL C18 300Å resin	96
PTT-91-80-19	1 mL PhyTip® column, 80 µL C18 300Å resin	96
PTT-91-16-19	1 mL PhyTip® column, 160 µL C18 300Å resin	96

Part Number	Description	Qty.
Reversed Phase Resin C4 300Å Pore Size		
PTT-92-05-52	200 µL PhyTip® column, 5 µL C4 300Å resin	96
PTT-92-20-52	200 µL PhyTip® column, 20 µL C4 300Å resin	96
PTT-91-10-52	1 mL PhyTip® column, 10 µL C4 300Å resin	96
PTT-91-20-52	1 mL PhyTip® column, 20 µL C4 300Å resin	96
PTT-91-40-52	1 mL PhyTip® column, 40 µL C4 300Å resin	96
PTT-91-80-52	1 mL PhyTip® column, 80 µL C4 300Å resin	96
PTT-91-16-52	1 mL PhyTip® column, 160 µL C4 300Å resin	96
Normal Phase Resin		
PTT-92-05-09	200 µL PhyTip® column, 5 µL Normal Phase 1 resin	96
PTT-92-20-09	200 µL PhyTip® column, 20 µL Normal Phase 1 resin	96
PTT-91-10-09	1 mL PhyTip® column, 10 µL Normal Phase 1 resin	96
PTT-91-20-09	1 mL PhyTip® column, 20 µL Normal Phase 1 resin	96

AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect® AAVX Resin		
PTT-92-05-33	200 µL PhyTip® column, 5 µL CaptureSelect AAVX resin	96
PTT-92-20-33	200 µL PhyTip® column, 20 µL CaptureSelect AAVX resin	96
PTT-91-10-33	1 mL PhyTip® column, 10 µL CaptureSelect AAVX resin	96
PTT-91-20-33	1 mL PhyTip® column, 20 µL CaptureSelect AAVX resin	96
PTT-91-40-33	1 mL PhyTip® column, 40 µL CaptureSelect AAVX resin	96
PTT-91-80-33	1 mL PhyTip® column, 80 µL CaptureSelect AAVX resin	96
PTT-91-16-33	1 mL PhyTip® column, 160 µL CaptureSelect AAVX resin	96

Gel Filtration/Desalting PhyTip® Columns

Part Number	Description	Qty.
5K Desalting Resin		
PDR-91-20-06	1 mL PhyTip® column, 200 µL 5K desalting resin	96
PDR-91-60-06	1 mL PhyTip® column, 600 µL 5K desalting resin	96
30K Desalting Resin		
PDR-91-20-17	1 mL PhyTip® column, 200 µL 30K desalting resin	96
PDR-91-60-17	1 mL PhyTip® column, 600 µL 30K desalting resin	96

Plasmid Purification PhyTip® Columns

Part Number	Description	Qty.
Plasmid Miniprep		
DPT-91-80-70	1 mL PhyTip® column, 80 µL Miniprep silica and buffers for Plasmid Miniprep	96

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Tip volumes (µL)	300		1000				
Resin volumes (µL)	5	20	10	20	40	80	160

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTH-93-05-01	300 µL PhyTip® column, 5 µL Protein A resin	96
PTH-93-10-01	300 µL PhyTip® column, 10 µL Protein A resin	96
PTH-93-20-01	300 µL PhyTip® column, 20 µL Protein A resin	96
PTH-91-10-01	1 mL PhyTip® column, 10 µL Protein A resin	96
PTH-91-20-01	1 mL PhyTip® column, 20 µL Protein A resin	96
PTH-91-40-01	1 mL PhyTip® column, 40 µL Protein A resin	96
PTH-91-80-01	1 mL PhyTip® column, 80 µL Protein A resin	96
PTH-91-16-01	1 mL PhyTip® column, 160 µL Protein A resin	96
Protein G Affinity Resin*		
PTH-93-05-02	300 µL PhyTip® column, 5 µL Protein G resin	96
PTH-93-10-02	300 µL PhyTip® column, 10 µL Protein G resin	96
PTH-93-20-02	300 µL PhyTip® column, 20 µL Protein G resin	96
PTH-91-10-02	1 mL PhyTip® column, 10 µL Protein G resin	96
PTH-91-20-02	1 mL PhyTip® column, 20 µL Protein G resin	96
PTH-91-40-02	1 mL PhyTip® column, 40 µL Protein G resin	96
PTH-91-80-02	1 mL PhyTip® column, 80 µL Protein G resin	96
PTH-91-16-02	1 mL PhyTip® column, 160 µL Protein G resin	96
ProPlus (MabSelect SuRe™) Affinity Resin*		
PTH-93-05-07	300 µL PhyTip® column, 5 µL ProPlus resin	96
PTH-93-10-07	300 µL PhyTip® column, 10 µL ProPlus resin	96
PTH-93-20-07	300 µL PhyTip® column, 20 µL ProPlus resin	96
PTH-91-10-07	1 mL PhyTip® column, 10 µL ProPlus resin	96
PTH-91-20-07	1 mL PhyTip® column, 20 µL ProPlus resin	96
PTH-91-40-07	1 mL PhyTip® column, 40 µL ProPlus resin	96
PTH-91-80-07	1 mL PhyTip® column, 80 µL ProPlus resin	96
PTH-91-16-07	1 mL PhyTip® column, 160 µL ProPlus resin	96
ProPlus LX (MabSelect SuRe™ LX) Affinity Resin		
PTH-93-05-26	300 µL PhyTip® column, 5 µL ProPlus LX resin	96
PTH-93-10-26	300 µL PhyTip® column, 10 µL ProPlus LX resin	96
PTH-91-10-26	1 mL PhyTip® column, 10 µL ProPlus LX resin	96
PTH-91-20-26	1 mL PhyTip® column, 20 µL ProPlus LX resin	96
PTH-91-40-26	1 mL PhyTip® column, 40 µL ProPlus LX resin	96
PTH-91-80-26	1 mL PhyTip® column, 80 µL ProPlus LX resin	96
PTH-91-16-26	1 mL PhyTip® column, 160 µL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTH-93-05-30	300 µL PhyTip® column, 5 µL POROS CaptureSelect IgM resin	96
PTH-93-10-30	300 µL PhyTip® column, 10 µL POROS CaptureSelect IgM resin	96
PTH-93-20-30	300 µL PhyTip® column, 20 µL POROS CaptureSelect IgM resin	96
PTH-91-10-30	1 mL PhyTip® column, 10 µL POROS CaptureSelect IgM resin	96
PTH-91-20-30	1 mL PhyTip® column, 20 µL POROS CaptureSelect IgM resin	96

*Corresponding Buffer kit available for ordering.

Part Number	Description	Qty.
PTH-93-05-32	300 µL PhyTip® column, 5 µL CaptureSelect FcXL resin	96
PTH-93-20-32	300 µL PhyTip® column, 20 µL CaptureSelect FcXL resin	96
PTH-91-10-32	1 mL PhyTip® column, 10 µL CaptureSelect FcXL resin	96
PTH-91-20-32	1 mL PhyTip® column, 20 µL CaptureSelect FcXL resin	96
PTH-93-05-24	300 µL PhyTip® column, 5 µL CaptureSelect IgG-Fc (ms) resin	96
PTH-93-10-24	300 µL PhyTip® column, 10 µL CaptureSelect IgG-Fc (ms) resin	96
PTH-91-10-24	1 mL PhyTip® column, 10 µL CaptureSelect IgG-Fc (ms) resin	96
PTH-91-20-24	1 mL PhyTip® column, 20 µL CaptureSelect IgG-Fc (ms) resin	96
PTH-93-05-31	300 µL PhyTip® column, 5 µL CaptureSelect KappaXL resin	96
PTH-93-10-31	300 µL PhyTip® column, 10 µL CaptureSelect KappaXL resin	96
PTH-91-10-31	1 mL PhyTip® column, 10 µL CaptureSelect KappaXL resin	96
PTH-91-20-31	1 mL PhyTip® column, 20 µL CaptureSelect KappaXL resin	96
PTH-93-05-35	300 µL PhyTip® column, 5 µL CaptureSelect LambdaXP resin	96
PTH-93-10-35	300 µL PhyTip® column, 10 µL CaptureSelect LambdaXP resin	96
PTH-91-10-35	1 mL PhyTip® column, 10 µL CaptureSelect LambdaXP resin	96
PTH-91-20-35	1 mL PhyTip® column, 20 µL CaptureSelect LambdaXP resin	96

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTH-93-05-03	300 µL PhyTip® column, 5 µL IMAC resin	96
PTH-93-10-03	300 µL PhyTip® column, 10 µL IMAC resin	96
PTH-93-20-03	300 µL PhyTip® column, 20 µL IMAC resin	96
PTH-91-10-03	1 mL PhyTip® column, 10 µL IMAC resin	96
PTH-91-20-03	1 mL PhyTip® column, 20 µL IMAC resin	96
PTH-91-40-03	1 mL PhyTip® column, 40 µL IMAC resin	96
PTH-91-80-03	1 mL PhyTip® column, 80 µL IMAC resin	96
PTH-91-16-03	1 mL PhyTip® column, 160 µL IMAC resin	96

Part Number	Description	Qty.
Glutathione Affinity Resin		
PTH-93-05-04	300 µL PhyTip® column, 5 µL Glutathione resin	96
PTH-93-10-04	300 µL PhyTip® column, 10 µL Glutathione resin	96
PTH-93-20-04	300 µL PhyTip® column, 20 µL Glutathione resin	96
PTH-91-10-04	1 mL PhyTip® column, 10 µL Glutathione resin	96
PTH-91-20-04	1 mL PhyTip® column, 20 µL Glutathione resin	96
PTH-91-40-04	1 mL PhyTip® column, 40 µL Glutathione resin	96
PTH-91-80-04	1 mL PhyTip® column, 80 µL Glutathione resin	96
PTH-91-16-04	1 mL PhyTip® column, 160 µL Glutathione resin	96
Streptavidin Affinity Resin		
PTH-93-05-05	300 µL PhyTip® column, 5 µL Streptavidin resin	96
PTH-93-10-05	300 µL PhyTip® column, 10 µL Streptavidin resin	96
PTH-93-20-05	300 µL PhyTip® column, 20 µL Streptavidin resin	96
PTH-91-10-05	1 mL PhyTip® column, 10 µL Streptavidin resin	96
PTH-91-20-05	1 mL PhyTip® column, 20 µL Streptavidin resin	96
PTH-91-40-05	1 mL PhyTip® column, 40 µL Streptavidin resin	96
PTH-91-80-05	1 mL PhyTip® column, 80 µL Streptavidin resin	96
PTH-91-16-05	1 mL PhyTip® column, 160 µL Streptavidin resin	96

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTH-93-05-11	300 µL PhyTip® column, 5 µL Strong Anion resin	96
PTH-93-10-11	300 µL PhyTip® column, 10 µL Strong Anion resin	96
PTH-93-20-11	300 µL PhyTip® column, 20 µL Strong Anion resin	96
PTH-91-10-11	1 mL PhyTip® column, 10 µL Strong Anion resin	96
PTH-91-20-11	1 mL PhyTip® column, 20 µL Strong Anion resin	96
PTH-91-40-11	1 mL PhyTip® column, 40 µL Strong Anion resin	96
PTH-91-80-11	1 mL PhyTip® column, 80 µL Strong Anion resin	96
PTH-91-16-11	1 mL PhyTip® column, 160 µL Strong Anion resin	96
Strong Cation Resin		
PTH-93-05-13	300 µL PhyTip® column, 5 µL Strong Cation resin	96
PTH-93-10-13	300 µL PhyTip® column, 10 µL Strong Cation resin	96
PTH-93-20-13	300 µL PhyTip® column, 20 µL Strong Cation resin	96
PTH-91-10-13	1 mL PhyTip® column, 10 µL Strong Cation resin	96
PTH-91-20-13	1 mL PhyTip® column, 20 µL Strong Cation resin	96
PTH-91-40-13	1 mL PhyTip® column, 40 µL Strong Cation resin	96
PTH-91-80-13	1 mL PhyTip® column, 80 µL Strong Cation resin	96
PTH-91-16-13	1 mL PhyTip® column, 160 µL Strong Cation resin	96
Weak Anion Resin		
PTH-93-05-12	300 µL PhyTip® column, 5 µL Weak Anion resin	96
PTH-93-10-12	300 µL PhyTip® column, 10 µL Weak Anion resin	96
PTH-93-20-12	300 µL PhyTip® column, 20 µL Weak Anion resin	96
PTH-91-10-12	1 mL PhyTip® column, 10 µL Weak Anion resin	96
PTH-91-20-12	1 mL PhyTip® column, 20 µL Weak Anion resin	96
PTH-91-40-12	1 mL PhyTip® column, 40 µL Weak Anion resin	96
PTH-91-80-12	1 mL PhyTip® column, 80 µL Weak Anion resin	96
PTH-91-16-12	1 mL PhyTip® column, 160 µL Weak Anion resin	96

Part Number	Description	Qty.
Weak Cation Resin		
PTH-93-05-14	300 µL PhyTip® column, 5 µL Weak Cation resin	96
PTH-93-10-14	300 µL PhyTip® column, 10 µL Weak Cation resin	96
PTH-93-20-14	300 µL PhyTip® column, 20 µL Weak Cation resin	96
PTH-91-10-14	1 mL PhyTip® column, 10 µL Weak Cation resin	96
PTH-91-20-14	1 mL PhyTip® column, 20 µL Weak Cation resin	96
PTH-91-40-14	1 mL PhyTip® column, 40 µL Weak Cation resin	96
PTH-91-80-14	1 mL PhyTip® column, 80 µL Weak Cation resin	96
PTH-91-16-14	1 mL PhyTip® column, 160 µL Weak Cation resin	96
Reversed Phase Resin C18 90Å Pore Size		
PTH-93-05-18	300 µL PhyTip® column, 5 µL C18 90Å resin	96
PTH-93-10-18	300 µL PhyTip® column, 10 µL C18 90Å resin	96
PTH-93-20-18	300 µL PhyTip® column, 20 µL C18 90Å resin	96
PTH-91-10-18	1 mL PhyTip® column, 10 µL C18 90Å resin	96
PTH-91-20-18	1 mL PhyTip® column, 20 µL C18 90Å resin	96
PTH-91-40-18	1 mL PhyTip® column, 40 µL C18 90Å resin	96
PTH-91-80-18	1 mL PhyTip® column, 80 µL C18 90Å resin	96
PTH-91-16-18	1 mL PhyTip® column, 160 µL C18 90Å resin	96
Reversed Phase Resin C18 300Å Pore Size		
PTH-93-05-19	300 µL PhyTip® column, 5 µL C18 300Å resin	96
PTH-93-10-19	300 µL PhyTip® column, 10 µL C18 300Å resin	96
PTH-93-20-19	300 µL PhyTip® column, 20 µL C18 300Å resin	96
PTH-91-10-19	1 mL PhyTip® column, 10 µL C18 300Å resin	96
PTH-91-20-19	1 mL PhyTip® column, 20 µL C18 300Å resin	96
PTH-91-40-19	1 mL PhyTip® column, 40 µL C18 300Å resin	96
PTH-91-80-19	1 mL PhyTip® column, 80 µL C18 300Å resin	96
PTH-91-16-19	1 mL PhyTip® column, 160 µL C18 300Å resin	96
Reversed Phase Resin C4 300Å Pore Size		
PTH-93-05-52	300 µL PhyTip® column, 5 µL C4 300Å resin	96
PTH-93-10-52	300 µL PhyTip® column, 10 µL C4 300Å resin	96
PTH-93-20-52	300 µL PhyTip® column, 20 µL C4 300Å resin	96
PTH-91-10-52	1 mL PhyTip® column, 10 µL C4 300Å resin	96
PTH-91-20-52	1 mL PhyTip® column, 20 µL C4 300Å resin	96
PTH-91-40-52	1 mL PhyTip® column, 40 µL C4 300Å resin	96
PTH-91-80-52	1 mL PhyTip® column, 80 µL C4 300Å resin	96
PTH-91-16-52	1 mL PhyTip® column, 160 µL C4 300Å resin	96
Normal Phase 1 Resin		
PTH-93-05-09	300 µL PhyTip® column, 5 µL Normal Phase 1 resin	96
PTH-93-10-09	300 µL PhyTip® column, 10 µL Normal Phase 1 resin	96
PTH-93-20-09	300 µL PhyTip® column, 20 µL Normal Phase 1 resin	96
PTH-91-10-09	1 mL PhyTip® column, 10 µL Normal Phase 1 resin	96
PTH-91-20-09	1 mL PhyTip® column, 20 µL Normal Phase 1 resin	96
PTH-91-40-09	1 mL PhyTip® column, 40 µL Normal Phase 1 resin	96
PTH-91-80-09	1 mL PhyTip® column, 80 µL Normal Phase 1 resin	96
PTH-91-16-09	1 mL PhyTip® column, 160 µL Normal Phase 1 resin	96

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AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect™ AAVX Resin		
PTH-93-05-33	300 µL PhyTip® column, 5 µL CaptureSelect AAVX resin	96
PTH-93-10-33	300 µL PhyTip® column, 10 µL CaptureSelect AAVX resin	96
PTH-93-20-33	300 µL PhyTip® column, 20 µL CaptureSelect AAVX resin	96
PTH-91-10-33	1 mL PhyTip® column, 10 µL CaptureSelect AAVX resin	96
PTH-91-20-33	1 mL PhyTip® column, 20 µL CaptureSelect AAVX resin	96
PTH-91-40-33	1 mL PhyTip® column, 40 µL CaptureSelect AAVX resin	96
PTH-91-80-33	1 mL PhyTip® column, 80 µL CaptureSelect AAVX resin	96
PTH-91-16-33	1 mL PhyTip® column, 160 µL CaptureSelect AAVX resin	96

Tip volumes (µL)	300		1000				
Resin volumes (µL)	5	20	10	20	40	80	160

Gel Filtration/Desalting PhyTip® Columns

Part Number	Description	Qty.
5K Desalting Resin		
PDR-91-20-06	1 mL PhyTip® column, 200 µL 5K desalting resin	96
PDR-91-60-06	1 mL PhyTip® column, 600 µL 5K desalting resin	96
30K Desalting Resin		
PDR-91-20-17	1 mL PhyTip® column, 200 µL 30K desalting resin	96
PDR-91-60-17	1 mL PhyTip® column, 600 µL 30K desalting resin	96

Plasmid Purification PhyTip® Columns

Part Number	Description	Qty.
Plasmid Miniprep		
DPH-91-80-70	1 mL PhyTip® column, 80 µL Miniprep silica and buffers for Plasmid Miniprep	96

Accessories

Part Number	Description	Qty.
DAH-12-000-02	PhyTip column transfer tool for Hamilton instrument	1
DAH-96-000-01	Drying station adaptor for Lysate Direct PhyTip columns for Hamilton system. Necessary for automated plasmid MiniPrep	1
DAH-96-000-02	PhyTip column transfer tool. Allows user to manually transfer 12 Hamilton tips at a time from one tip rack to another.	1
PHF-96-200-01	Desalting Adaptor Block for 200 µL Desalting columns for robotic platforms with gripper arm	1
PHF-96-600-01	Desalting Adaptor Block for 600 µL Desalting columns for robotic platforms with gripper arm	1

*Corresponding Buffer kit available for ordering.

Opentrons
OT-2

Tip volumes(µL)	300	
Resin volumes(µL)	5	20

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTX-93-05-01	300 µL PhyTip® column, 5 µL Protein A resin	96
PTX-93-20-01	300 µL PhyTip® column, 20 µL Protein A resin	96
Protein G Affinity Resin*		
PTX-93-05-02	300 µL PhyTip® column, 5 µL Protein G resin	96
PTX-93-20-02	300 µL PhyTip® column, 20 µL Protein G resin	96
ProPlus (MabSelect SuRe™) Affinity Resin*		
PTX-93-05-07	300 µL PhyTip® column, 5 µL ProPlus resin	96
PTX-93-20-07	300 µL PhyTip® column, 20 µL ProPlus resin	96
ProPlus LX (MabSelect SuRe™ LX) Affinity Resin		
PTX-93-05-26	300 µL PhyTip® column, 5 µL ProPlus LX resin	96
PTX-93-20-26	300 µL PhyTip® column, 20 µL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTX-93-05-30	300 µL PhyTip® column, 5 µL POROS CaptureSelect IgM resin	96
PTX-93-20-30	300 µL PhyTip® column, 20 µL POROS CaptureSelect IgM resin	96
PTX-93-05-32	300 µL PhyTip® column, 5 µL CaptureSelect FcXL resin	96
PTX-93-20-32	300 µL PhyTip® column, 20 µL CaptureSelect FcXL resin	96
PTX-93-05-24	300 µL PhyTip® column, 5 µL CaptureSelect IgG-Fc (ms) resin	96
PTX-93-20-24	300 µL PhyTip® column, 20 µL CaptureSelect IgG-Fc (ms) resin	96
PTX-93-05-31	300 µL PhyTip® column, 5 µL CaptureSelect KappaXL resin	96
PTX-93-20-31	300 µL PhyTip® column, 20 µL CaptureSelect KappaXL resin	96
PTX-93-05-35	300 µL PhyTip® column, 5 µL CaptureSelect LambdaXP resin	96
PTX-93-20-35	300 µL PhyTip® column, 20 µL CaptureSelect LambdaXP resin	96

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTX-93-05-03	300 µL PhyTip® column, 5 µL IMAC resin	96
PTX-93-20-03	300 µL PhyTip® column, 20 µL IMAC resin	96
Glutathione Affinity Resin		
PTX-93-05-04	300 µL PhyTip® column, 5 µL Glutathione resin	96
PTX-93-20-04	300 µL PhyTip® column, 20 µL Glutathione resin	96
Streptavidin Affinity Resin		
PTX-93-05-05	300 µL PhyTip® column, 5 µL Streptavidin resin	96
PTX-93-20-05	300 µL PhyTip® column, 20 µL Streptavidin resin	96

* Corresponding Buffer kit available for ordering.

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTX-93-05-11	300 µL PhyTip® column, 5 µL Strong Anion resin	96
PTX-93-20-11	300 µL PhyTip® column, 20 µL Strong Anion resin	96
Strong Cation Resin		
PTX-93-05-13	300 µL PhyTip® column, 5 µL Strong Cation resin	96
PTX-93-20-13	300 µL PhyTip® column, 20 µL Strong Cation resin	96
Weak Anion Resin		
PTX-93-05-12	300 µL PhyTip® column, 5 µL Weak Anion resin	96
PTX-93-20-12	300 µL PhyTip® column, 20 µL Weak Anion resin	96
Weak Cation Resin		
PTX-93-05-14	300 µL PhyTip® column, 5 µL Weak Cation resin	96
PTX-93-20-14	300 µL PhyTip® column, 20 µL Weak Cation resin	96
Reversed Phase Resin C18 90Å Pore Size		
PTX-93-05-18	300 µL PhyTip® column, 5 µL C18 90Å resin	96
PTX-93-20-18	300 µL PhyTip® column, 20 µL C18 90Å resin	96
Reversed Phase Resin C18 300Å Pore Size		
PTX-93-05-19	300 µL PhyTip® column, 5 µL C18 300Å resin	96
PTX-93-20-19	300 µL PhyTip® column, 20 µL C18 300Å resin	96
Reversed Phase Resin C4 300Å Pore Size		
PTX-93-05-52	300 µL PhyTip® column, 5 µL C4 300Å resin	96
PTX-93-20-52	300 µL PhyTip® column, 20 µL C4 300Å resin	96
Normal Phase 1 Resin		
PTX-93-05-09	300 µL PhyTip® column, 5 µL Normal Phase 1 resin	96
PTX-93-20-09	300 µL PhyTip® column, 20 µL Normal Phase 1 resin	96

AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect™ AAVX Resin		
PTX-93-05-33	300 µL PhyTip® column, 5 µL CaptureSelect AAVX resin	96
PTX-93-20-33	300 µL PhyTip® column, 20 µL CaptureSelect AAVX resin	96

Perkin Elmer

Janus Varispan

Tip volumes(μL)	1000				
Resin volumes(μL)	10	20	40	80	160

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTT-91-10-01	1 mL PhyTip® column, 10 μL Protein A resin	96
PTT-91-20-01	1 mL PhyTip® column, 20 μL Protein A resin	96
PTT-91-40-01	1 mL PhyTip® column, 40 μL Protein A resin	96
PTT-91-80-01	1 mL PhyTip® column, 80 μL Protein A resin	96
PTT-91-16-01	1 mL PhyTip® column, 160 μL Protein A resin	96
Protein G Affinity Resin*		
PTT-91-10-02	1 mL PhyTip® column, 10 μL Protein G resin	96
PTT-91-20-02	1 mL PhyTip® column, 20 μL Protein G resin	96
PTT-91-40-02	1 mL PhyTip® column, 40 μL Protein G resin	96
PTT-91-80-02	1 mL PhyTip® column, 80 μL Protein G resin	96
PTT-91-16-02	1 mL PhyTip® column, 160 μL Protein G resin	96
ProPlus (MabSelect SuRe®) Affinity Resin*		
PTT-91-10-07	1 mL PhyTip® column, 10 μL ProPlus resin	96
PTT-91-20-07	1 mL PhyTip® column, 20 μL ProPlus resin	96
PTT-91-40-07	1 mL PhyTip® column, 40 μL ProPlus resin	96
PTT-91-80-07	1 mL PhyTip® column, 80 μL ProPlus resin	96
PTT-91-16-07	1 mL PhyTip® column, 160 μL ProPlus resin	96
ProPlus LX (MabSelect SuRe® LX) Affinity Resin		
PTT-91-10-26	1 mL PhyTip® column, 10 μL ProPlus LX resin	96
PTT-91-20-26	1 mL PhyTip® column, 20 μL ProPlus LX resin	96
PTT-91-40-26	1 mL PhyTip® column, 40 μL ProPlus LX resin	96
PTT-91-80-26	1 mL PhyTip® column, 80 μL ProPlus LX resin	96
PTT-91-16-26	1 mL PhyTip® column, 160 μL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTT-91-10-30	1 mL PhyTip® column, 10 μL POROS CaptureSelect IgM resin	96
PTT-91-20-30	1 mL PhyTip® column, 20 μL POROS CaptureSelect IgM resin	96
PTT-91-10-32	1 mL PhyTip® column, 10 μL CaptureSelect FcXL resin	96
PTT-91-20-32	1 mL PhyTip® column, 20 μL CaptureSelect FcXL resin	96
PTT-91-10-24	1 mL PhyTip® column, 10 μL CaptureSelect IgG-Fc (ms) resin	96
PTT-91-20-24	1 mL PhyTip® column, 20 μL CaptureSelect IgG-Fc (ms) resin	96
PTT-91-10-31	1 mL PhyTip® column, 10 μL CaptureSelect KappaXL resin	96
PTT-91-20-31	1 mL PhyTip® column, 20 μL CaptureSelect KappaXL resin	96
PTT-91-10-35	1 mL PhyTip® column, 10 μL CaptureSelect LambdaXP resin	96
PTT-91-20-35	1 mL PhyTip® column, 20 μL CaptureSelect LambdaXP resin	96

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTT-91-10-03	1 mL PhyTip® column, 10 μL IMAC resin	96
PTT-91-20-03	1 mL PhyTip® column, 20 μL IMAC resin	96
PTT-91-40-03	1 mL PhyTip® column, 40 μL IMAC resin	96
PTT-91-80-03	1 mL PhyTip® column, 80 μL IMAC resin	96
PTT-91-16-03	1 mL PhyTip® column, 160 μL IMAC resin	96
Glutathione Affinity Resin		
PTT-91-10-04	1 mL PhyTip® column, 10 μL Glutathione resin	96
PTT-91-20-04	1 mL PhyTip® column, 20 μL Glutathione resin	96
PTT-91-40-04	1 mL PhyTip® column, 40 μL Glutathione resin	96
PTT-91-80-04	1 mL PhyTip® column, 80 μL Glutathione resin	96
PTT-91-16-04	1 mL PhyTip® column, 160 μL Glutathione resin	96
Streptavidin Affinity Resin		
PTT-91-10-05	1 mL PhyTip® column, 10 μL Streptavidin resin	96
PTT-91-20-05	1 mL PhyTip® column, 20 μL Streptavidin resin	96
PTT-91-40-05	1 mL PhyTip® column, 40 μL Streptavidin resin	96
PTT-91-80-05	1 mL PhyTip® column, 80 μL Streptavidin resin	96
PTT-91-16-05	1 mL PhyTip® column, 160 μL Streptavidin resin	96

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTT-91-10-11	1 mL PhyTip® column, 10 μL Strong Anion resin	96
PTT-91-20-11	1 mL PhyTip® column, 20 μL Strong Anion resin	96
PTT-91-40-11	1 mL PhyTip® column, 40 μL Strong Anion resin	96
PTT-91-80-11	1 mL PhyTip® column, 80 μL Strong Anion resin	96
PTT-91-16-11	1 mL PhyTip® column, 160 μL Strong Anion resin	96
Strong Cation Resin		
PTT-91-10-13	1 mL PhyTip® column, 10 μL Strong Cation resin	96
PTT-91-20-13	1 mL PhyTip® column, 20 μL Strong Cation resin	96
PTT-91-40-13	1 mL PhyTip® column, 40 μL Strong Cation resin	96
PTT-91-80-13	1 mL PhyTip® column, 80 μL Strong Cation resin	96
PTT-91-16-13	1 mL PhyTip® column, 160 μL Strong Cation resin	96
Weak Anion Resin		
PTT-91-10-12	1 mL PhyTip® column, 10 μL Weak Anion resin	96
PTT-91-20-12	1 mL PhyTip® column, 20 μL Weak Anion resin	96
PTT-91-40-12	1 mL PhyTip® column, 40 μL Weak Anion resin	96
PTT-91-80-12	1 mL PhyTip® column, 80 μL Weak Anion resin	96
PTT-91-16-12	1 mL PhyTip® column, 160 μL Weak Anion resin	96

Part Number	Description	Qty.
Weak Cation Resin		
PTT-91-10-14	1 mL PhyTip® column, 10 μL Weak Cation resin	96
PTT-91-20-14	1 mL PhyTip® column, 20 μL Weak Cation resin	96
PTT-91-40-14	1 mL PhyTip® column, 40 μL Weak Cation resin	96
PTT-91-80-14	1 mL PhyTip® column, 80 μL Weak Cation resin	96
PTT-91-16-14	1 mL PhyTip® column, 160 μL Weak Cation resin	96
Reversed Phase Resin C18 90Å Pore Size		
PTT-91-10-18	1 mL PhyTip® column, 10 μL C18 90Å pore resin	96
PTT-91-20-18	1 mL PhyTip® column, 20 μL C18 90Å pore resin	96
PTT-91-40-18	1 mL PhyTip® column, 40 μL C18 90Å pore resin	96
PTT-91-80-18	1 mL PhyTip® column, 80 μL C18 90Å pore resin	96
PTT-91-16-18	1 mL PhyTip® column, 160 μL C18 90Å pore resin	96
Reversed Phase Resin C18 300Å Pore Size		
PTT-91-10-19	1 mL PhyTip® column, 10 μL C18 300 Å resin	96
PTT-91-20-19	1 mL PhyTip® column, 20 μL C18 300 Å resin	96
PTT-91-40-19	1 mL PhyTip® column, 40 μL C18 300 Å resin	96
PTT-91-80-19	1 mL PhyTip® column, 80 μL C18 300 Å resin	96
PTT-91-16-19	1 mL PhyTip® column, 160 μL C18 300 Å resin	96
Reversed Phase Resin C4 300Å Pore Size		
PTT-91-10-52	1 mL PhyTip® column, 10 μL C4 300 Å pore resin	96
PTT-91-20-52	1 mL PhyTip® column, 20 μL C4 300 Å pore resin	96
PTT-91-40-52	1 mL PhyTip® column, 40 μL C4 300 Å pore resin	96
PTT-91-80-52	1 mL PhyTip® column, 80 μL C4 300 Å pore resin	96
PTT-91-16-52	1 mL PhyTip® column, 160 μL C4 300 Å pore resin	96
Normal Phase 1 Resin		
PTT-91-10-09	1 mL PhyTip® column, 10 μL Normal Phase 1 resin	96
PTT-91-20-09	1 mL PhyTip® column, 20 μL Normal Phase 1 resin	96

AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect® AAVX Resin		
PTT-91-10-33	1 mL PhyTip® column, 10 μL CaptureSelect AAVX resin	96
PTT-91-20-33	1 mL PhyTip® column, 20 μL CaptureSelect AAVX resin	96
PTT-91-40-33	1 mL PhyTip® column, 40 μL CaptureSelect AAVX resin	96
PTT-91-80-33	1 mL PhyTip® column, 80 μL CaptureSelect AAVX resin	96
PTT-91-16-33	1 mL PhyTip® column, 160 μL CaptureSelect AAVX resin	96

Gel Filtration/Desalting PhyTip® Column

Part Number	Description	Qty.
5K Desalting Resin		
PDR-91-20-06	1 mL PhyTip® column, 200 μL 5K desalting resin	96
PDR-91-60-06	1 mL PhyTip® column, 600 μL 5K desalting resin	96
30K Desalting Resin		
PDR-91-20-17	1 mL PhyTip® column, 200 μL 30K desalting resin	96
PDR-91-60-17	1 mL PhyTip® column, 600 μL 30K desalting resin	96

*Corresponding Buffer kit available for ordering.

Perkin Elmer

Caliper SciClone | Zephyr

Tip volumes(μL)	200
Resin volumes(μL)	5 20

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTT-92-05-01	200 μL PhyTip® column, 5 μL Protein A resin	96
PTT-92-20-01	200 μL PhyTip® column, 20 μL Protein A resin	96
Protein G Affinity Resin*		
PTT-92-05-02	200 μL PhyTip® column, 5 μL Protein G resin	96
PTT-92-20-02	200 μL PhyTip® column, 20 μL Protein G resin	96
ProPlus (MabSelect SuRe®) Affinity Resin*		
PTT-92-05-07	200 μL PhyTip® column, 5 μL ProPlus resin	96
PTT-92-20-07	200 μL PhyTip® column, 20 μL ProPlus resin	96
ProPlus LX (MabSelect SuRe® LX) Affinity Resin		
PTT-92-05-26	200 μL PhyTip® column, 5 μL ProPlus LX resin	96
PTT-92-20-26	200 μL PhyTip® column, 20 μL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTT-92-05-30	200 μL PhyTip® column, 5 μL POROS CaptureSelect IgM resin	96
PTT-92-20-30	200 μL PhyTip® column, 20 μL POROS CaptureSelect IgM resin	96
PTT-92-05-32	200 μL PhyTip® column, 5 μL CaptureSelect FcXL resin	96
PTT-92-20-32	200 μL PhyTip® column, 20 μL CaptureSelect FcXL resin	96
PTT-92-05-24	200 μL PhyTip® column, 5 μL CaptureSelect IgG-Fc (ms) resin	96
PTT-92-20-24	200 μL PhyTip® column, 20 μL CaptureSelect IgG-Fc (ms) resin	96
PTT-92-05-31	200 μL PhyTip® column, 5 μL CaptureSelect KappaXL resin	96
PTT-92-20-31	200 μL PhyTip® column, 20 μL CaptureSelect KappaXL resin	96
PTT-92-05-35	200 μL PhyTip® column, 5 μL CaptureSelect LambdaXP resin	96
PTT-92-20-35	200 μL PhyTip® column, 20 μL CaptureSelect LambdaXP resin	96

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTT-92-05-03	200 μL PhyTip® column, 5 μL IMAC resin	96
PTT-92-20-03	200 μL PhyTip® column, 20 μL IMAC resin	96
Glutathione Affinity Resin		
PTT-92-05-04	200 μL PhyTip® column, 5 μL Glutathione resin	96
PTT-92-20-04	200 μL PhyTip® column, 20 μL Glutathione resin	96
Streptavidin Affinity Resin		
PTT-92-05-05	200 μL PhyTip® column, 5 μL Streptavidin resin	96
PTT-92-20-05	200 μL PhyTip® column, 20 μL Streptavidin resin	96

*Corresponding Buffer kit available for ordering.

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTT-92-05-11	200 μL PhyTip® column, 5 μL Strong Anion resin	96
PTT-92-20-11	200 μL PhyTip® column, 20 μL Strong Anion resin	96
Strong Cation Resin		
PTT-92-05-13	200 μL PhyTip® column, 5 μL Strong Cation resin	96
PTT-92-20-13	200 μL PhyTip® column, 20 μL Strong Cation resin	96
Weak Anion Resin		
PTT-92-05-12	200 μL PhyTip® column, 5 μL Weak Anion resin	96
PTT-92-20-12	200 μL PhyTip® column, 20 μL Weak Anion resin	96
Weak Cation Resin		
PTT-92-05-14	200 μL PhyTip® column, 5 μL Weak Cation resin	96
PTT-92-20-14	200 μL PhyTip® column, 20 μL Weak Cation resin	96
Reversed Phase Resin C18 90Å Pore Size		
PTT-92-05-18	200 μL PhyTip® column, 5 μL C18 90Å resin	96
PTT-92-20-18	200 μL PhyTip® column, 20 μL C18 90Å resin	96
Reversed Phase Resin C18 300Å Pore Size		
PTT-92-05-19	200 μL PhyTip® column, 5 μL C18 300Å resin	96
PTT-92-20-19	200 μL PhyTip® column, 20 μL C18 300Å resin	96
Reversed Phase Resin C4 300Å Pore Size		
PTT-92-05-52	200 μL PhyTip® column, 5 μL C4 300Å resin	96
PTT-92-20-52	200 μL PhyTip® column, 20 μL C4 300Å resin	96
Normal Phase 1 Resin		
PTT-92-05-09	200 μL PhyTip® column, 5 μL Normal Phase 1 resin	96
PTT-92-20-09	200 μL PhyTip® column, 20 μL Normal Phase 1 resin	96

AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect® AAVX Resin		
PTT-92-05-33	200 μL PhyTip® column, 5 μL CaptureSelect AAVX resin	96
PTT-92-20-33	200 μL PhyTip® column, 20 μL CaptureSelect AAVX resin	96

Gel Filtration/Desalting PhyTip® Column

Part Number	Description	Qty.
5K Desalting Resin		
PDR-91-20-06	1 mL PhyTip® column, 200 μL 5K desalting resin	96
PDR-91-60-06	1 mL PhyTip® column, 600 μL 5K desalting resin	96
30K Desalting Resin		
PDR-91-20-17	1 mL PhyTip® column, 200 μL 30K desalting resin	96
PDR-91-60-17	1 mL PhyTip® column, 600 μL 30K desalting resin	96

Perkin Elmer

MiniTrack | Janus MDT

Tip volumes(μL)	200
Resin volumes(μL)	5 20
Adaptor required for compatibility	

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTT-92-05-01	200 μL PhyTip® column, 5 μL Protein A resin	96
PTT-92-20-01	200 μL PhyTip® column, 20 μL Protein A resin	96
Protein G Affinity Resin*		
PTT-92-05-02	200 μL PhyTip® column, 5 μL Protein G resin	96
PTT-92-20-02	200 μL PhyTip® column, 20 μL Protein G resin	96
ProPlus (MabSelect SuRe®) Affinity Resin*		
PTT-92-05-07	200 μL PhyTip® column, 5 μL ProPlus resin	96
PTT-92-20-07	200 μL PhyTip® column, 20 μL ProPlus resin	96
ProPlus LX (MabSelect SuRe® LX) Affinity Resin		
PTT-92-05-26	200 μL PhyTip® column, 5 μL ProPlus LX resin	96
PTT-92-20-26	200 μL PhyTip® column, 20 μL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTT-92-05-30	200 μL PhyTip® column, 5 μL POROS CaptureSelect IgM resin	96
PTT-92-20-30	200 μL PhyTip® column, 20 μL POROS CaptureSelect IgM resin	96
PTT-92-05-32	200 μL PhyTip® column, 5 μL CaptureSelect FcXL resin	96
PTT-92-20-32	200 μL PhyTip® column, 20 μL CaptureSelect FcXL resin	96
PTT-92-05-24	200 μL PhyTip® column, 5 μL CaptureSelect IgG-Fc (ms) resin	96
PTT-92-20-24	200 μL PhyTip® column, 20 μL CaptureSelect IgG-Fc (ms) resin	96
PTT-92-05-31	200 μL PhyTip® column, 5 μL CaptureSelect KappaXL resin	96
PTT-92-20-31	200 μL PhyTip® column, 20 μL CaptureSelect KappaXL resin	96
PTT-92-05-35	200 μL PhyTip® column, 5 μL CaptureSelect LambdaXP resin	96
PTT-92-20-35	200 μL PhyTip® column, 20 μL CaptureSelect LambdaXP resin	96

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTT-92-05-03	200 μL PhyTip® column, 5 μL IMAC resin	96
PTT-92-20-03	200 μL PhyTip® column, 20 μL IMAC resin	96
Glutathione Affinity Resin		
PTT-92-05-04	200 μL PhyTip® column, 5 μL Glutathione resin	96
PTT-92-20-04	200 μL PhyTip® column, 20 μL Glutathione resin	96
Streptavidin Affinity Resin		
PTT-92-05-05	200 μL PhyTip® column, 5 μL Streptavidin resin	96
PTT-92-20-05	200 μL PhyTip® column, 20 μL Streptavidin resin	96

*Corresponding Buffer kit available for ordering.

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTT-92-05-11	200 μL PhyTip® column, 5 μL Strong Anion resin	96
PTT-92-20-11	200 μL PhyTip® column, 20 μL Strong Anion resin	96
Strong Cation Resin		
PTT-92-05-13	200 μL PhyTip® column, 5 μL Strong Cation resin	96
PTT-92-20-13	200 μL PhyTip® column, 20 μL Strong Cation resin	96
Weak Anion Resin		
PTT-92-05-12	200 μL PhyTip® column, 5 μL Weak Anion resin	96
PTT-92-20-12	200 μL PhyTip® column, 20 μL Weak Anion resin	96
Weak Cation Resin		
PTT-92-05-14	200 μL PhyTip® column, 5 μL Weak Cation resin	96
PTT-92-20-14	200 μL PhyTip® column, 20 μL Weak Cation resin	96
Reversed Phase Resin C18 90Å Pore Size		
PTT-92-05-18	200 μL PhyTip® column, 5 μL C18 90Å resin	96
PTT-92-20-18	200 μL PhyTip® column, 20 μL C18 90Å resin	96
Reversed Phase Resin C18 300Å Pore Size		
PTT-92-05-19	200 μL PhyTip® column, 5 μL C18 300Å resin	96
PTT-92-20-19	200 μL PhyTip® column, 20 μL C18 300Å resin	96
Reversed Phase Resin C4 300Å Pore Size		
PTT-92-05-52	200 μL PhyTip® column, 5 μL C4 300Å resin	96
PTT-92-20-52	200 μL PhyTip® column, 20 μL C4 300Å resin	96
Normal Phase 1 Resin		
PTT-92-05-09	200 μL PhyTip® column, 5 μL Normal Phase 1 resin	96
PTT-92-20-09	200 μL PhyTip® column, 20 μL Normal Phase 1 resin	96

AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect® AAVX Resin		
PTT-92-05-33	200 μL PhyTip® column, 5 μL CaptureSelect AAVX resin	96
PTT-92-20-33	200 μL PhyTip® column, 20 μL CaptureSelect AAVX resin	96

Gel Filtration/Desalting PhyTip® Columns

Part Number	Description	Qty.
5K Desalting Resin		
PDR-91-20-06	1 mL PhyTip® column, 200 μL 5K desalting resin	96
PDR-91-60-06	1 mL PhyTip® column, 600 μL 5K desalting resin	96
30K Desalting Resin		
PDR-91-20-17	1 mL PhyTip® column, 200 μL 30K desalting resin	96
PDR-91-60-17	1 mL PhyTip® column, 600 μL 30K desalting resin	96

Accessories

Part Number	Description	Qty.
PHF-96-200	PhyTip adapter for Perkin Elmer Janus MDT and MiniTrack robots	1
PHF-96-200-TP	Custom 200 μL PhyTip adapter for Perkin Elmer Janus robots	1

Tecan

Freedom Evo LiHa

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTT-91-10-01	1 mL PhyTip® column, 10 µL Protein A resin	96
PTT-91-20-01	1 mL PhyTip® column, 20 µL Protein A resin	96
PTT-91-40-01	1 mL PhyTip® column, 40 µL Protein A resin	96
PTT-91-80-01	1 mL PhyTip® column, 80 µL Protein A resin	96
PTT-91-16-01	1 mL PhyTip® column, 160 µL Protein A resin	96
Protein G Affinity Resin*		
PTT-91-10-02	1 mL PhyTip® column, 10 µL Protein G resin	96
PTT-91-20-02	1 mL PhyTip® column, 20 µL Protein G resin	96
PTT-91-40-02	1 mL PhyTip® column, 40 µL Protein G resin	96
PTT-91-80-02	1 mL PhyTip® column, 80 µL Protein G resin	96
PTT-91-16-02	1 mL PhyTip® column, 160 µL Protein G resin	96
ProPlus (MabSelect SuRe™) Affinity Resin*		
PTT-91-10-07	1 mL PhyTip® column, 10 µL ProPlus resin	96
PTT-91-20-07	1 mL PhyTip® column, 20 µL ProPlus resin	96
PTT-91-40-07	1 mL PhyTip® column, 40 µL ProPlus resin	96
PTT-91-80-07	1 mL PhyTip® column, 80 µL ProPlus resin	96
PTT-91-16-07	1 mL PhyTip® column, 160 µL ProPlus resin	96
ProPlus LX (MabSelect SuRe™ LX) Affinity Resin		
PTT-91-10-26	1 mL PhyTip® column, 10 µL ProPlus LX resin	96
PTT-91-20-26	1 mL PhyTip® column, 20 µL ProPlus LX resin	96
PTT-91-40-26	1 mL PhyTip® column, 40 µL ProPlus LX resin	96
PTT-91-80-26	1 mL PhyTip® column, 80 µL ProPlus LX resin	96
PTT-91-16-26	1 mL PhyTip® column, 160 µL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTT-91-10-30	1 mL PhyTip® column, 10 µL POROS CaptureSelect IgM resin	96
PTT-91-20-30	1 mL PhyTip® column, 20 µL POROS CaptureSelect IgM resin	96
PTT-91-10-32	1 mL PhyTip® column, 10 µL CaptureSelect FcXL resin	96
PTT-91-20-32	1 mL PhyTip® column, 20 µL CaptureSelect FcXL resin	96
PTT-91-10-24	1 mL PhyTip® column, 10 µL CaptureSelect IgG-Fc (ms) resin	96
PTT-91-20-24	1 mL PhyTip® column, 20 µL CaptureSelect IgG-Fc (ms) resin	96
PTT-91-10-31	1 mL PhyTip® column, 10 µL CaptureSelect KappaXL resin	96
PTT-91-20-31	1 mL PhyTip® column, 20 µL CaptureSelect KappaXL resin	96
PTT-91-10-35	1 mL PhyTip® column, 10 µL CaptureSelect LambdaXP resin	96
PTT-91-20-35	1 mL PhyTip® column, 20 µL CaptureSelect LambdaXP resin	96

Tip volumes (µL)	1000				
Resin volumes (µL)	10	20	40	80	160

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTT-91-10-03	1 mL PhyTip® column, 10 µL IMAC resin	96
PTT-91-20-03	1 mL PhyTip® column, 20 µL IMAC resin	96
PTT-91-40-03	1 mL PhyTip® column, 40 µL IMAC resin	96
PTT-91-80-03	1 mL PhyTip® column, 80 µL IMAC resin	96
PTT-91-16-03	1 mL PhyTip® column, 160 µL IMAC resin	96
Glutathione Affinity Resin		
PTT-91-10-04	1 mL PhyTip® column, 10 µL Glutathione resin	96
PTT-91-20-04	1 mL PhyTip® column, 20 µL Glutathione resin	96
PTT-91-40-04	1 mL PhyTip® column, 40 µL Glutathione resin	96
PTT-91-80-04	1 mL PhyTip® column, 80 µL Glutathione resin	96
PTT-91-16-04	1 mL PhyTip® column, 160 µL Glutathione resin	96
Streptavidin Affinity Resin		
PTT-91-10-05	1 mL PhyTip® column, 10 µL Streptavidin resin	96
PTT-91-20-05	1 mL PhyTip® column, 20 µL Streptavidin resin	96
PTT-91-40-05	1 mL PhyTip® column, 40 µL Streptavidin resin	96
PTT-91-80-05	1 mL PhyTip® column, 80 µL Streptavidin resin	96
PTT-91-16-05	1 mL PhyTip® column, 160 µL Streptavidin resin	96

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTT-91-10-11	1 mL PhyTip® column, 10 µL Strong Anion resin	96
PTT-91-20-11	1 mL PhyTip® column, 20 µL Strong Anion resin	96
PTT-91-40-11	1 mL PhyTip® column, 40 µL Strong Anion resin	96
PTT-91-80-11	1 mL PhyTip® column, 80 µL Strong Anion resin	96
PTT-91-16-11	1 mL PhyTip® column, 160 µL Strong Anion resin	96
Strong Cation Resin		
PTT-91-10-13	1 mL PhyTip® column, 10 µL Strong Cation resin	96
PTT-91-20-13	1 mL PhyTip® column, 20 µL Strong Cation resin	96
PTT-91-40-13	1 mL PhyTip® column, 40 µL Strong Cation resin	96
PTT-91-80-13	1 mL PhyTip® column, 80 µL Strong Cation resin	96
PTT-91-16-13	1 mL PhyTip® column, 160 µL Strong Cation resin	96
Weak Anion Resin		
PTT-91-10-12	1 mL PhyTip® column, 10 µL Weak Anion resin	96
PTT-91-20-12	1 mL PhyTip® column, 20 µL Weak Anion resin	96
PTT-91-40-12	1 mL PhyTip® column, 40 µL Weak Anion resin	96
PTT-91-80-12	1 mL PhyTip® column, 80 µL Weak Anion resin	96
PTT-91-16-12	1 mL PhyTip® column, 160 µL Weak Anion resin	96

Part Number	Description	Qty.
Weak Cation Resin		
PTT-91-10-14	1 mL PhyTip® column, 10 µL Weak Cation resin	96
PTT-91-20-14	1 mL PhyTip® column, 20 µL Weak Cation resin	96
PTT-91-40-14	1 mL PhyTip® column, 40 µL Weak Cation resin	96
PTT-91-80-14	1 mL PhyTip® column, 80 µL Weak Cation resin	96
PTT-91-16-14	1 mL PhyTip® column, 160 µL Weak Cation resin	96
Reversed Phase Resin C18 90Å Pore Size		
PTT-91-10-18	1 mL PhyTip® column, 10 µL C18 90Å resin	96
PTT-91-20-18	1 mL PhyTip® column, 20 µL C18 90Å resin	96
PTT-91-40-18	1 mL PhyTip® column, 40 µL C18 90Å resin	96
PTT-91-80-18	1 mL PhyTip® column, 80 µL C18 90Å resin	96
PTT-91-16-18	1 mL PhyTip® column, 160 µL C18 90Å resin	96
Reversed Phase Resin C18 300Å Pore Size		
PTT-91-10-19	1 mL PhyTip® column, 10 µL C18 300Å resin	96
PTT-91-20-19	1 mL PhyTip® column, 20 µL C18 300Å resin	96
PTT-91-40-19	1 mL PhyTip® column, 40 µL C18 300Å resin	96
PTT-91-80-19	1 mL PhyTip® column, 80 µL C18 300Å resin	96
PTT-91-16-19	1 mL PhyTip® column, 160 µL C18 300Å resin	96
Reversed Phase Resin C4 300Å Pore Size		
PTT-91-10-52	1 mL PhyTip® column, 10 µL C4 300 Å pore resin	96
PTT-91-20-52	1 mL PhyTip® column, 20 µL C4 300 Å pore resin	96
PTT-91-40-52	1 mL PhyTip® column, 40 µL C4 300 Å pore resin	96
PTT-91-80-52	1 mL PhyTip® column, 80 µL C4 300 Å pore resin	96
PTT-91-16-52	1 mL PhyTip® column, 160 µL C4 300 Å pore resin	96
Normal Phase 1 Resin		
PTT-91-10-09	1 mL PhyTip® column, 10 µL Normal Phase 1 resin	96
PTT-91-20-09	1 mL PhyTip® column, 20 µL Normal Phase 1 resin	96

AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect™ AAVX Resin		
PTT-91-10-33	1 mL PhyTip® column, 10 µL CaptureSelect AAVX resin	96
PTT-91-20-33	1 mL PhyTip® column, 20 µL CaptureSelect AAVX resin	96
PTT-91-40-33	1 mL PhyTip® column, 40 µL CaptureSelect AAVX resin	96
PTT-91-80-33	1 mL PhyTip® column, 80 µL CaptureSelect AAVX resin	96
PTT-91-16-33	1 mL PhyTip® column, 160 µL CaptureSelect AAVX resin	96

Gel Filtration/Desalting PhyTip® Columns

Part Number	Description	Qty.
5K Desalting Resin		
PDR-91-20-06	1 mL PhyTip® column, 200 µL 5K desalting resin	96
PDR-91-60-06	1 mL PhyTip® column, 600 µL 5K desalting resin	96
30K Desalting Resin		
PDR-91-20-17	1 mL PhyTip® column, 200 µL 30K desalting resin	96
PDR-91-60-17	1 mL PhyTip® column, 600 µL 30K desalting resin	96

Accessories

Part Number	Description	Qty.
DAT-12-000-02	PhyTip column transfer tool. Allows user to manually transfer 12 Tecan tips at a time from one tip rack to another.	1
DAT-96-000-01	Drying station adaptor for Lysate Direct PhyTip columns for Tecan system. Necessary for automated plasmid MiniPrep	1
PHF-96-200-01	Desalting Adaptor Block for 200 µL Desalting columns for robotic platforms with gripper arm	1
PHF-96-600-01	Desalting Adaptor Block for 600 µL Desalting columns for robotic platforms with gripper arm	1

*Corresponding Buffer kit available for ordering.

Tecan

Freedom Evo MCA

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTT-92-05-01	200 µL PhyTip® column, 5 µL Protein A resin	96
PTT-92-20-01	200 µL PhyTip® column, 20 µL Protein A resin	96
PTT-95-20-01	500 µL PhyTip® column, 20 µL Protein A resin	96
PTT-95-40-01	500 µL PhyTip® column, 40 µL Protein A resin	96
PTT-95-80-01	500 µL PhyTip® column, 80 µL Protein A resin	96
PTT-95-16-01	500 µL PhyTip® column, 160 µL Protein A resin	96
Protein G Affinity Resin*		
PTT-92-05-02	200 µL PhyTip® column, 5 µL Protein G resin	96
PTT-92-20-02	200 µL PhyTip® column, 20 µL Protein G resin	96
PTT-95-20-02	500 µL PhyTip® column, 20 µL Protein G resin	96
PTT-95-40-02	500 µL PhyTip® column, 40 µL Protein G resin	96
PTT-95-80-02	500 µL PhyTip® column, 80 µL Protein G resin	96
PTT-95-16-02	500 µL PhyTip® column, 160 µL Protein G resin	96
ProPlus (MabSelect SuRe®) Affinity Resin*		
PTT-92-05-07	200 µL PhyTip® column, 5 µL ProPlus resin	96
PTT-92-20-07	200 µL PhyTip® column, 20 µL ProPlus resin	96
PTT-95-20-07	500 µL PhyTip® column, 20 µL ProPlus resin	96
PTT-95-40-07	500 µL PhyTip® column, 40 µL ProPlus resin	96
PTT-95-80-07	500 µL PhyTip® column, 80 µL ProPlus resin	96
PTT-95-16-07	500 µL PhyTip® column, 160 µL ProPlus resin	96
ProPlus LX (MabSelect SuRe® LX) Affinity Resin		
PTT-92-05-26	200 µL PhyTip® column, 5 µL ProPlus LX resin	96
PTT-92-20-26	200 µL PhyTip® column, 20 µL ProPlus LX resin	96
PTT-95-20-26	500 µL PhyTip® column, 20 µL ProPlus LX resin	96
PTT-95-40-26	500 µL PhyTip® column, 40 µL ProPlus LX resin	96
PTT-95-80-26	500 µL PhyTip® column, 80 µL ProPlus LX resin	96
PTT-95-16-26	500 µL PhyTip® column, 160 µL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTT-92-05-30	200 µL PhyTip® column, 5 µL POROS CaptureSelect IgM resin	96
PTT-92-20-30	200 µL PhyTip® column, 20 µL POROS CaptureSelect IgM resin	96
PTT-95-20-30	500 µL PhyTip® column, 20 µL POROS CaptureSelect IgM resin	96
PTT-92-05-32	200 µL PhyTip® column, 5 µL CaptureSelect FcXL resin	96
PTT-92-20-32	200 µL PhyTip® column, 20 µL CaptureSelect FcXL resin	96
PTT-95-20-32	500 µL PhyTip® column, 20 µL CaptureSelect FcXL resin	96
PTT-92-05-24	200 µL PhyTip® column, 5 µL CaptureSelect IgG-Fc (ms) resin	96
PTT-92-20-24	200 µL PhyTip® column, 20 µL CaptureSelect IgG-Fc (ms) resin	96
PTT-95-20-24	500 µL PhyTip® column, 20 µL CaptureSelect IgG-Fc (ms) resin	96

Tip volumes(µL)	200		500			
Resin volumes(µL)	5	20	20	40	80	160

Part Number	Description	Qty.
PTT-92-05-31	200 µL PhyTip® column, 5 µL CaptureSelect KappaXL resin	96
PTT-92-20-31	200 µL PhyTip® column, 20 µL CaptureSelect KappaXL resin	96
PTT-95-20-31	500 µL PhyTip® column, 20 µL CaptureSelect KappaXL resin	96
PTT-92-05-35	200 µL PhyTip® column, 5 µL CaptureSelect LambdaXP resin	96
PTT-92-20-35	200 µL PhyTip® column, 20 µL CaptureSelect LambdaXP resin	96
PTT-95-20-35	500 µL PhyTip® column, 20 µL CaptureSelect LambdaXP resin	96

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTT-92-05-03	200 µL PhyTip® column, 5 µL IMAC resin	96
PTT-92-20-03	200 µL PhyTip® column, 20 µL IMAC resin	96
PTT-95-20-03	500 µL PhyTip® column, 20 µL IMAC resin	96
PTT-95-40-03	500 µL PhyTip® column, 40 µL IMAC resin	96
PTT-95-80-03	500 µL PhyTip® column, 80 µL IMAC resin	96
PTT-95-16-03	500 µL PhyTip® column, 160 µL IMAC resin	96
Glutathione Affinity Resin		
PTT-92-05-04	200 µL PhyTip® column, 5 µL Glutathione resin	96
PTT-92-20-04	200 µL PhyTip® column, 20 µL Glutathione resin	96
PTT-95-20-04	500 µL PhyTip® column, 20 µL Glutathione resin	96
PTT-95-40-04	500 µL PhyTip® column, 40 µL Glutathione resin	96
PTT-95-80-04	500 µL PhyTip® column, 80 µL Glutathione resin	96
PTT-95-16-04	500 µL PhyTip® column, 160 µL Glutathione resin	96
Streptavidin Affinity Resin		
PTT-92-05-05	200 µL PhyTip® column, 5 µL Streptavidin resin	96
PTT-92-20-05	200 µL PhyTip® column, 20 µL Streptavidin resin	96
PTT-95-20-05	500 µL PhyTip® column, 20 µL Streptavidin resin	96
PTT-95-40-05	500 µL PhyTip® column, 40 µL Streptavidin resin	96
PTT-95-80-05	500 µL PhyTip® column, 80 µL Streptavidin resin	96
PTT-95-16-05	500 µL PhyTip® column, 160 µL Streptavidin resin	96

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTT-92-05-11	200 µL PhyTip® column, 5 µL Strong Anion resin	96
PTT-92-20-11	200 µL PhyTip® column, 20 µL Strong Anion resin	96
PTT-95-20-11	500 µL PhyTip® column, 20 µL Strong Anion resin	96
PTT-95-40-11	500 µL PhyTip® column, 40 µL Strong Anion resin	96

Part Number	Description	Qty.
PTT-95-80-11	500 µL PhyTip® column, 80 µL Strong Anion resin	96
PTT-95-16-11	500 µL PhyTip® column, 160 µL Strong Anion resin	96
Strong Cation Resin		
PTT-92-05-13	200 µL PhyTip® column, 5 µL Strong Cation resin	96
PTT-92-20-13	200 µL PhyTip® column, 20 µL Strong Cation resin	96
PTT-95-20-13	500 µL PhyTip® column, 20 µL Strong Cation resin	96
PTT-95-40-13	500 µL PhyTip® column, 40 µL Strong Cation resin	96
PTT-95-80-13	500 µL PhyTip® column, 80 µL Strong Cation resin	96
PTT-95-16-13	500 µL PhyTip® column, 160 µL Strong Cation resin	96
Weak Anion Resin		
PTT-92-05-12	200 µL PhyTip® column, 5 µL Weak Anion resin	96
PTT-92-20-12	200 µL PhyTip® column, 20 µL Weak Anion resin	96
PTT-95-20-12	500 µL PhyTip® column, 20 µL Weak Anion resin	96
PTT-95-40-12	500 µL PhyTip® column, 40 µL Weak Anion resin	96
PTT-95-80-12	500 µL PhyTip® column, 80 µL Weak Anion resin	96
PTT-95-16-12	500 µL PhyTip® column, 160 µL Weak Anion resin	96
Weak Cation Resin		
PTT-92-05-14	200 µL PhyTip® column, 5 µL Weak Cation resin	96
PTT-92-20-14	200 µL PhyTip® column, 20 µL Weak Cation resin	96
PTT-95-20-14	500 µL PhyTip® column, 20 µL Weak Cation resin	96
PTT-95-40-14	500 µL PhyTip® column, 40 µL Weak Cation resin	96
PTT-95-80-14	500 µL PhyTip® column, 80 µL Weak Cation resin	96
PTT-95-16-14	500 µL PhyTip® column, 160 µL Weak Cation resin	96
Reversed Phase Resin C18 90Å Pore Size		
PTT-92-05-18	200 µL PhyTip® column, 5 µL C18 90Å resin	96
PTT-92-20-18	200 µL PhyTip® column, 20 µL C18 90Å resin	96
PTT-95-20-18	500 µL PhyTip® column, 20 µL C18 90Å resin	96
PTT-95-40-18	500 µL PhyTip® column, 40 µL C18 90Å resin	96
PTT-95-80-18	500 µL PhyTip® column, 80 µL C18 90Å resin	96
PTT-95-16-18	500 µL PhyTip® column, 160 µL C18 90Å resin	96
Reversed Phase Resin C18 300Å Pore Size		
PTT-92-05-19	200 µL PhyTip® column, 5 µL C18 300Å resin	96
PTT-92-20-19	200 µL PhyTip® column, 20 µL C18 300Å resin	96
PTT-95-20-19	500 µL PhyTip® column, 20 µL C18 300Å resin	96
PTT-95-40-19	500 µL PhyTip® column, 40 µL C18 300Å resin	96
PTT-95-80-19	500 µL PhyTip® column, 80 µL C18 300Å resin	96
PTT-95-16-19	500 µL PhyTip® column, 160 µL C18 300Å resin	96
Reversed Phase Resin C4 300Å Pore Size		
PTT-92-05-52	200 µL PhyTip® column, 5 µL C4 300 Å pore resin	96
PTT-92-20-52	200 µL PhyTip® column, 20 µL C4 300 Å pore resin	96
PTT-95-20-52	500 µL PhyTip® column, 20 µL C4 300 Å pore resin	96
PTT-95-40-52	500 µL PhyTip® column, 40 µL C4 300 Å pore resin	96
PTT-95-80-52	500 µL PhyTip® column, 80 µL C4 300 Å pore resin	96
PTT-95-16-52	500 µL PhyTip® column, 160 µL C4 300 Å pore resin	96
Normal Phase 1 Resin		
PTT-92-05-09	200 µL PhyTip® column, 5 µL Normal Phase 1 resin	96
PTT-92-20-09	200 µL PhyTip® column, 20 µL Normal Phase 1 resin	96
PTT-95-20-09	500 µL PhyTip® column, 20 µL Normal Phase 1 resin	96
PTT-95-40-09	500 µL PhyTip® column, 40 µL Normal Phase 1 resin	96
PTT-95-80-09	500 µL PhyTip® column, 80 µL Normal Phase 1 resin	96
PTT-95-16-09	500 µL PhyTip® column, 160 µL Normal Phase 1 resin	96

AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect® AAVX Resin		
PTT-92-05-33	200 µL PhyTip® column, 5 µL CaptureSelect AAVX resin	96
PTT-92-20-33	200 µL PhyTip® column, 20 µL CaptureSelect AAVX resin	96
PTT-95-20-33	500 µL PhyTip® column, 20 µL CaptureSelect AAVX resin	96
PTT-95-40-33	500 µL PhyTip® column, 40 µL CaptureSelect AAVX resin	96
PTT-95-80-33	500 µL PhyTip® column, 80 µL CaptureSelect AAVX resin	96
PTT-95-16-33	500 µL PhyTip® column, 160 µL CaptureSelect AAVX resin	96

Gel Filtration/Desalting PhyTip® Columns

Part Number	Description	Qty.
5K Desalting Resin		
PDR-91-20-06	1 mL PhyTip® column, 200 µL 5K desalting resin	96
PDR-91-60-06	1 mL PhyTip® column, 600 µL 5K desalting resin	96
30K Desalting Resin		
PDR-91-20-17	1 mL PhyTip® column, 200 µL 30K desalting resin	96
PDR-91-60-17	1 mL PhyTip® column, 600 µL 30K desalting resin	96

Plasmid Purification PhyTip® Columns

Part Number	Description	Qty.
Plasmid Miniprep		
DPT-92-80-70	200 µL PhyTip® column, 80 µL Miniprep silica and buffers for Plasmid Miniprep	96
DPT-95-80-70	500 µL PhyTip® column, 80 µL Miniprep silica and buffers for Plasmid Miniprep	96
DPT-95-80-70-10	500 µL PhyTip® column, 80 µL Miniprep silica and buffers for Plasmid Miniprep, 10 boxes	960

Accessories

Part Number	Description	Qty.
DAT-12-000-02	PhyTip column transfer tool. Allows user to manually transfer 12 Tecan tips at a time from one tip rack to another.	1
DAT-96-000-01	Drying station adaptor for Lysate Direct PhyTip columns for Tecan system. Necessary for automated plasmid MiniPrep	1
PHF-96-200-01	Desalting Adaptor Block for 200 µL Desalting columns for robotic platforms with gripper arm	1
PHF-96-600-01	Desalting Adaptor Block for 600 µL Desalting columns for robotic platforms with gripper arm	1

*Corresponding Buffer kit available for ordering.

Tecan

Te-Mo

Tip volumes(µL)	200	
Resin volumes(µL)	5	20

Antibody Binding PhyTip® Columns

Part Number	Description	Qty.
Protein A Affinity Resin*		
PTT-92-05-01	200 µL PhyTip® column, 5 µL Protein A resin	96
PTT-92-20-01	200 µL PhyTip® column, 20 µL Protein A resin	96
Protein G Affinity Resin*		
PTT-92-05-02	200 µL PhyTip® column, 5 µL Protein G resin	96
PTT-92-20-02	200 µL PhyTip® column, 20 µL Protein G resin	96
ProPlus (MabSelect SuRe®) Affinity Resin*		
PTT-92-05-07	200 µL PhyTip® column, 5 µL ProPlus resin	96
PTT-92-20-07	200 µL PhyTip® column, 20 µL ProPlus resin	96
ProPlus LX (MabSelect SuRe® LX) Affinity Resin		
PTT-92-05-26	200 µL PhyTip® column, 5 µL ProPlus LX resin	96
PTT-92-20-26	200 µL PhyTip® column, 20 µL ProPlus LX resin	96
CaptureSelect Affinity Resins		
PTT-92-05-30	200 µL PhyTip® column, 5 µL POROS CaptureSelect IgM resin	96
PTT-92-20-30	200 µL PhyTip® column, 20 µL POROS CaptureSelect IgM resin	96
PTT-92-05-32	200 µL PhyTip® column, 5 µL CaptureSelect FcXL resin	96
PTT-92-20-32	200 µL PhyTip® column, 20 µL CaptureSelect FcXL resin	96
PTT-92-05-24	200 µL PhyTip® column, 5 µL CaptureSelect IgG-Fc (ms) resin	96
PTT-92-20-24	200 µL PhyTip® column, 20 µL CaptureSelect IgG-Fc (ms) resin	96
PTT-92-05-31	200 µL PhyTip® column, 5 µL CaptureSelect KappaXL resin	96
PTT-92-20-31	200 µL PhyTip® column, 20 µL CaptureSelect KappaXL resin	96
PTT-92-05-35	200 µL PhyTip® column, 5 µL CaptureSelect LambdaXP resin	96
PTT-92-20-35	200 µL PhyTip® column, 20 µL CaptureSelect LambdaXP resin	96

Recombinant Protein PhyTip® Columns

Part Number	Description	Qty.
IMAC Affinity Resin*		
PTT-92-05-03	200 µL PhyTip® column, 5 µL IMAC resin	96
PTT-92-20-03	200 µL PhyTip® column, 20 µL IMAC resin	96
Glutathione Affinity Resin		
PTT-92-05-04	200 µL PhyTip® column, 5 µL Glutathione resin	96
PTT-92-20-04	200 µL PhyTip® column, 20 µL Glutathione resin	96
Streptavidin Affinity Resin		
PTT-92-05-05	200 µL PhyTip® column, 5 µL Streptavidin resin	96
PTT-92-20-05	200 µL PhyTip® column, 20 µL Streptavidin resin	96

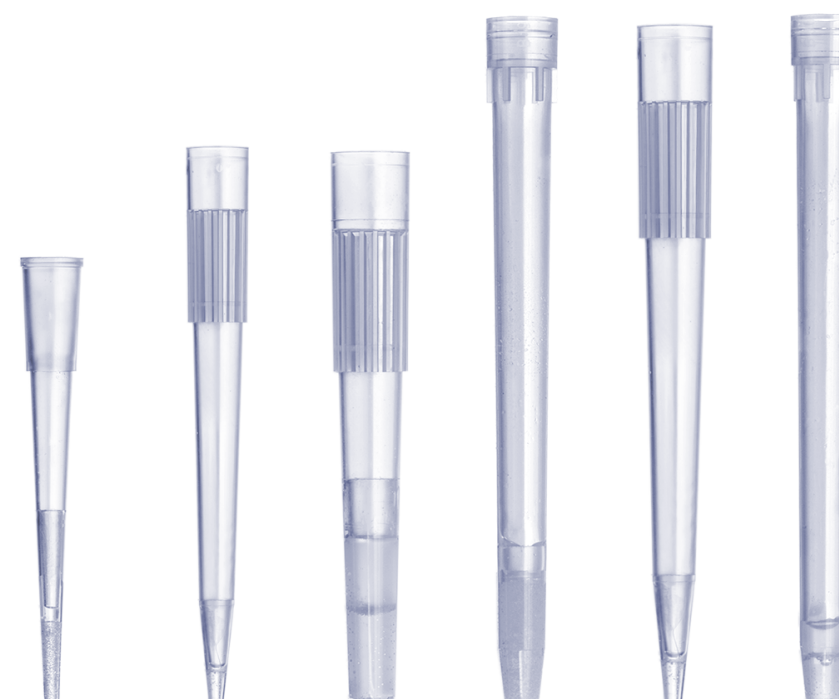
*Corresponding Buffer kit available for ordering.

Chromatography PhyTip® Columns

Part Number	Description	Qty.
Strong Anion Resin		
PTT-92-05-11	200 µL PhyTip® column, 5 µL Strong Anion resin	96
PTT-92-20-11	200 µL PhyTip® column, 20 µL Strong Anion resin	96
Strong Cation Resin		
PTT-92-05-13	200 µL PhyTip® column, 5 µL Strong Cation resin	96
PTT-92-20-13	200 µL PhyTip® column, 20 µL Strong Cation resin	96
Weak Anion Resin		
PTT-92-05-12	200 µL PhyTip® column, 5 µL Weak Anion resin	96
PTT-92-20-12	200 µL PhyTip® column, 20 µL Weak Anion resin	96
Weak Cation Resin		
PTT-92-05-14	200 µL PhyTip® column, 5 µL Weak Cation resin	96
PTT-92-20-14	200 µL PhyTip® column, 20 µL Weak Cation resin	96
Reversed Phase Resin C18 90Å Pore Size		
PTT-92-05-18	200 µL PhyTip® column, 5 µL C18 90Å resin	96
PTT-92-20-18	200 µL PhyTip® column, 20 µL C18 90Å resin	96
Reversed Phase Resin C18 300Å Pore Size		
PTT-92-05-19	200 µL PhyTip® column, 5 µL C18 300Å resin	96
PTT-92-20-19	200 µL PhyTip® column, 20 µL C18 300Å resin	96
Reversed Phase Resin C4 300Å Pore Size		
PTT-92-05-52	200 µL PhyTip® column, 5 µL C4 300Å resin	96
PTT-92-20-52	200 µL PhyTip® column, 20 µL C4 300Å resin	96
Normal Phase 1 Resin		
PTT-92-05-09	200 µL PhyTip® column, 20 µL Normal Phase 1 resin	96
PTT-92-20-09	200 µL PhyTip® column, 20 µL Normal Phase 1 resin	96

AAV PhyTip® Columns

Part Number	Description	Qty.
CaptureSelect® AAVX Resin		
PTT-92-05-33	200 µL PhyTip® column, 5 µL CaptureSelect AAVX resin	96
PTT-92-20-33	200 µL PhyTip® column, 20 µL CaptureSelect AAVX resin	96







This is Biotage

Biotage is contributing to sustainable science, helping to make the world healthier, greener and cleaner.

We offer workflow solutions to customers in drug discovery & development, diagnostics, alongside analytical, water and environmental testing.

For local office contact information, visit biotage.com/contact

