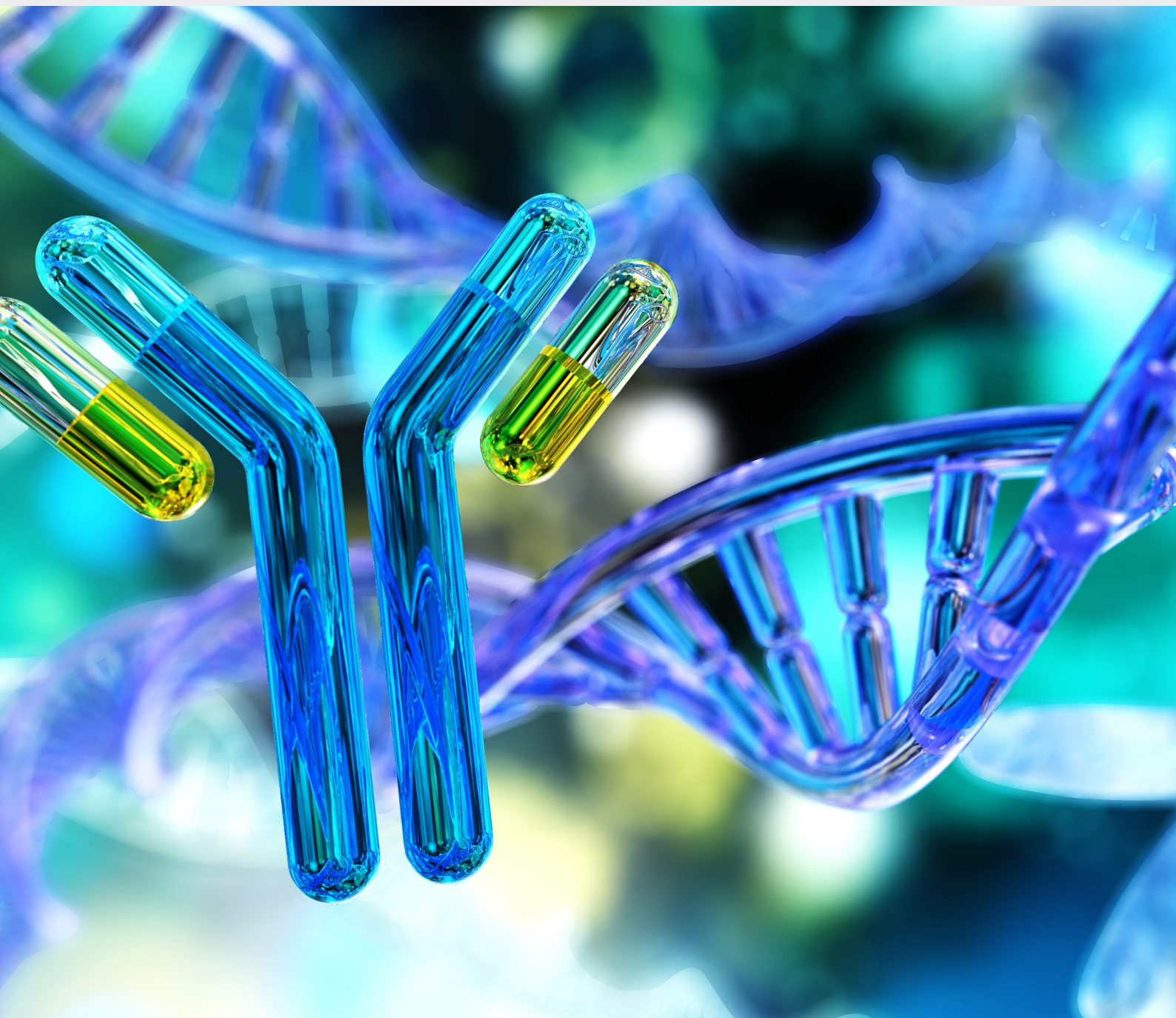


PhyTip[®] カラムによる タンパク質などの生体分子の精製



PhyTip® カラムは、プラスミド精製、タンパク質精製、AAV精製における様々な自動精製ソリューションにご利用いただけます。PhyTip® カラムは2002年以来、研究者の自動生体分子精製をサポートしてきました。

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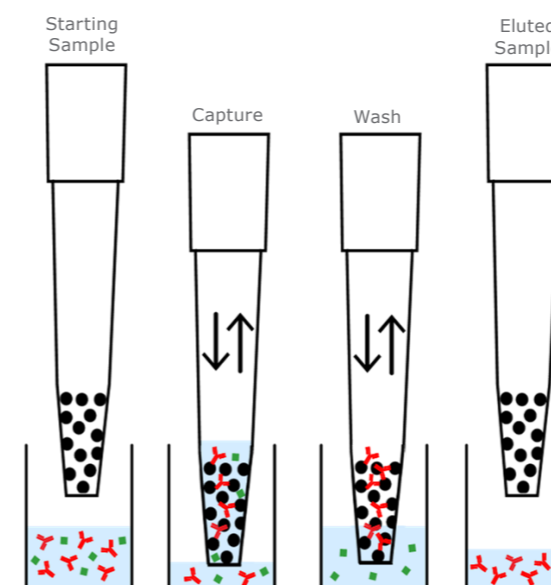
32 Tecan Freedom Evo LiHa Freedom Evo MCA Te-Mo

PhyTip® カラムを使った デュアルフロークロマトグラフィー

PhyTip® カラムの特徴

- » 生体分子のハイスループット精製
- » 主要な自動分注機に対応
- » 多用途：一度に1~96サンプル、幅広いレジンが利用可能
- » 高純度、高回収率でマイルドな精製

PhyTip® カラム は、デュアルフロークロマトグラフィーと呼ばれる上下のサイクルを繰り返しながらサンプルを精製し、各精製ステップで完全な結合相互作用を可能にします。



Top Screen
Resin
Bottom Screen

少量のレジンを充填した独自のカラムデザインで、サンプル内のターゲットを結合させます。基本的なクロマトグラフィーの原理で分離を制御し、双方向性の流体運動が反応速度定数に関係なく相互作用を高負荷平衡に導きます。精製されたサンプルは少量で溶出できるため、高濃度のサンプルが得られます。デュアルフロークロマトグラフィーは、生物学的に活性なタンパク質を高レベルで保持する穏やかな精製プロセスです。

アプリケーション

PhyTipカラムは、基礎研究、創薬やプロセス開発のための生体分子の精製に使用することができます。アプリケーションとしてタグ付き組換えタンパク質精製、抗体精製、アデノ随伴ウイルス(AAV)精製、プラスミドDNA精製、脱塩、免疫沈降や質量分析用サンプルの調製などがありますが、これらに必ずしも限定されるものではありません。

製品・技術情報

PhyTipカラムは、実験用途に合わせチップのサイズや樹脂の量を選ぶことができます。チップのサイズは200 μ L、300 μ L、500 μ Lと1mLがあります。充填する樹脂の量は5 μ Lから160 μ Lの範囲内で選べますので、 μ gからmgオーダーの精製に利用できます。実験に用いるサンプルの量は用途に合わせ調節可能です。樹脂の粒径が40 μ m以上であれば、ほぼ全ての樹脂をPhyTipカラムに充填することが可能です。それゆえに、さまざまなメーカーの樹脂を充填できますので、ご要望に応じてカスタムパッキングもおこなっています。また、各社の主要な自動分注機に対応するPhyTipも提供しています。

詳細情報（日本語）はこちら

www.biotage.co.jp/products_top/biomolecule-purification

PhyTip® カラム製品

抗体精製 PhyTip® カラム

PhyTipカラムは、抗体のさまざまな部位に結合する異なるアフィニティ媒体を充填することができますのでIgG抗体だけでなく、他のサブタイプやフラグメントの精製も可能です。デュアルフロークロマトグラフィー技術により、低濃度のIgGも効率良く精製します。

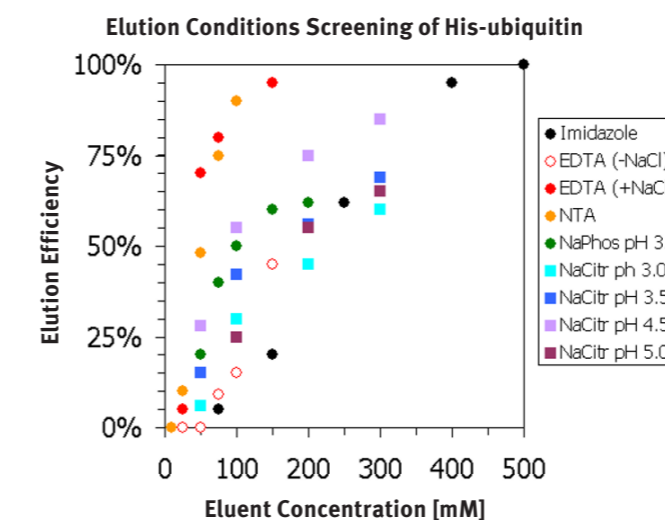
スタンダードとして充填されている樹脂にはProteinAやProteinGがあります。さらにMabSelect SuRe™やCaptureSelect™などの抗体フラグメント結合用のアフィニティ樹脂も揃えています。

For more details, please visit:

www.biotage.com/antibody-purification

タグ付き組み換えタンパク質精製 PhyTip® カラム

PhyTipカラムにはHis、BiotinやGSTタグの組み換えタンパク質に結合するアフィニティ媒体を揃えています。下のデータ図は、Ni-IMACを充填したPhyTipカラムによる His-ユビキチンの精製と溶出条件の最適化を示しています。



スタンダードとして充填されている樹脂にはIMAC、ストレプトアビジンやグルタチオン(GST)があります。

For more details, please visit:

www.biotage.com/tagged-protein

AAVの精製 PhyTip® カラム

AAVの精製におけるアフィニティクロマトグラフィーは、プラスミドDNAや宿主細胞からのRNA/DNAなどの不純物を効率良く除去することができます。CaptureSelect™ AAVXをPhyTipカラムに充填しているため、さまざまなセロタイプへの精製を実現します。

For more details, please visit:

www.biotage.com/aav-phytip-column

プラスミドDNA精製PhyTip® カラム

組み換えタンパク質、mRNAやウイルス・ベクターを発現させるため、プラスミドDNAはトランスフェクションにより、ほ乳類などの細胞へ導入されます。PhyTipカラムを主要な自動分注機に搭載することで、ミニレップによるプラスミドDNA精製を自動でおこない、ハイスループット化します。

For more details, please visit:

www.biotage.com/miniprep-phytip-column

イオン交換クロマトグラフィー PhyTip® カラム

イオン交換PhyTipカラムは、強/弱アニオン交換樹脂や強/弱カチオン交換樹脂をそれぞれ充填しています。それゆえに、目的の産物の特性に合わせた樹脂を選ぶことで、精製の効率化を図ることができます。

For more details, please visit:

www.biotage.com/phytip-columns-strong-anion-exchange

ゲルろ過・脱塩 PhyTip® カラム

サイズ排除クロマトグラフィー樹脂を充填したゲルろ過PhyTipカラムは、タンパク質サンプルの脱塩やバッファー置換に最適です。ゲルろ過PhyTipカラムによる脱塩は、アフィニティ精製後の二次精製のステップとして利用することもできます。

For more details, please visit:

www.biotage.com/gel-filtration-phytip-columns

逆相クロマトグラフィー PhyTip® カラム

逆相PhyTipカラムは、質量分析前のタンパク質やペプチドサンプルの脱塩やクリーン・アップに使用され、幅広いサイズのタンパク質やペプチドの精製を実現します。

For more details, please visit:

www.biotage.com/reversed-phase-phytip-columns

PhyTip® カラム カスタムパッケージングサービス

お好みのレジンをご希望のチップに充填します。PhyTipカラムの豊富なレジンの経験から、粒子径40 μ m以上のアフィニティ支持体、シリカ、レジンであれば、PhyTipカラムに充填（96本/箱）することが可能です。カラムはすべての主要な自動化システムに適合するように製造することができます。樹脂は、樹脂の供給元から直接出荷されるか、またはお客様からご提供いただきます。パッキング後の余剰樹脂はお客様に返却されるか、または将来の注文のために最大6ヶ月間保管可能です。

For more details, please visit:

www.biotage.com/custom-packing-service



主要な自動分注機との互換性

PhyTip® カラムはピペットチップ型のクロマトグラフィーなので、主要な自動分注機に搭載することができます。さらに、Biotageで確立した精製プロトコールをロボットに導入することで、自動化のセットアップを速やかに実現します。PhyTip カラムは、箱から出してすぐに使用できるのでサンプルの精製を短時間で効率良くおこなうことができます。

| 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®

| 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 |

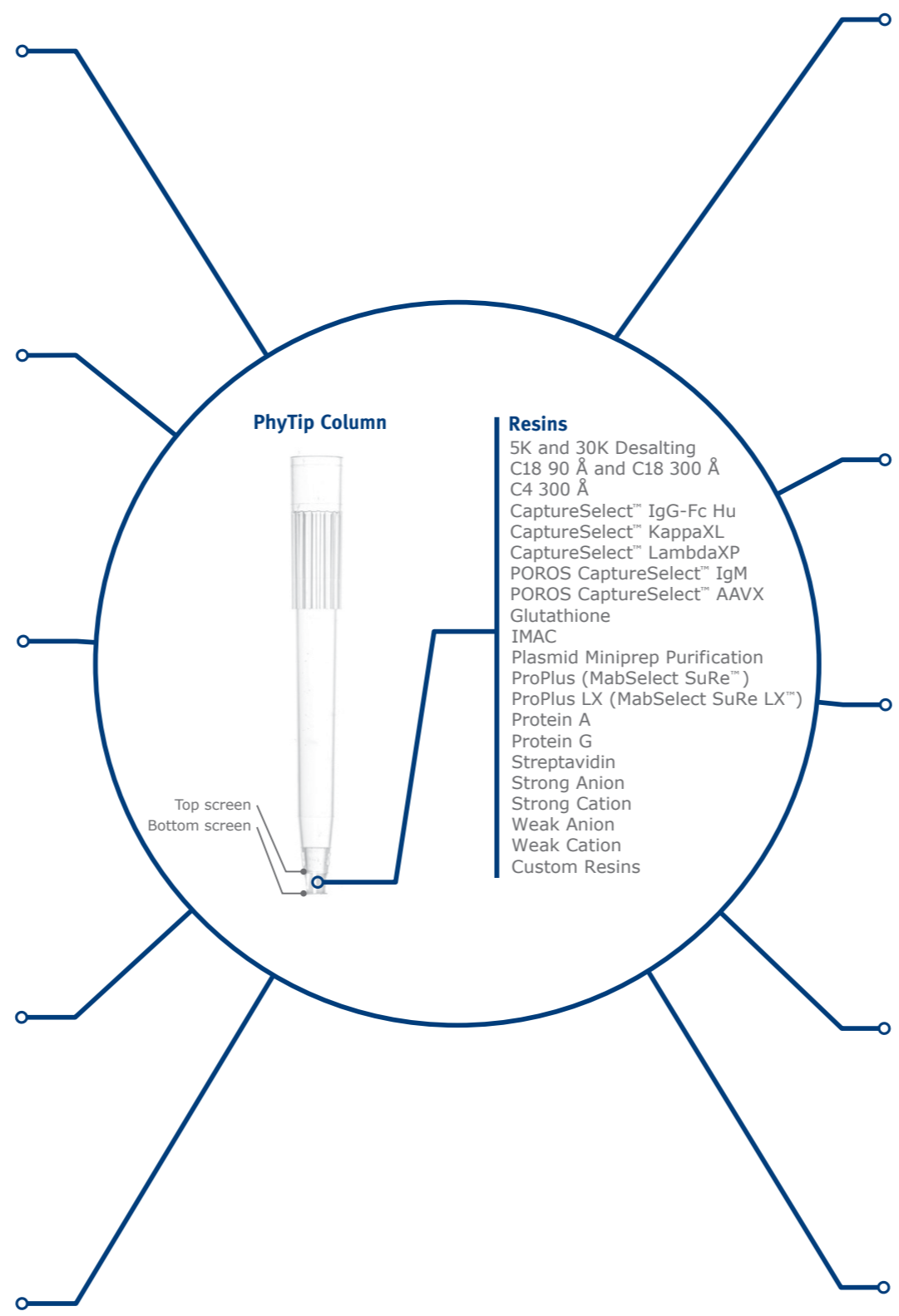
| Models | MiniTrack, Janus MDT 96-channel* | Janus Varispan 4 or 8 wells | | | | |
|--------------------|----------------------------------|-----------------------------|----|----|----|--------|
| Tip volumes (µL) | 200 | 1000 | | | | |
| Part Number | PTT-92 | PTT-91 | | | | |
| Resin Volumes (µL)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

* Adaptor required for compatibility

PerkinElmer®

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

Analytik Jena®



TECAN®

| Models | Te-MO | |
|--------------------|--------|----|
| Tip Volumes (µL) | 200 | |
| Part Number | PTT-92 | |
| Resin Volumes (µL) | 5 | 20 |

| Models | Freedom Evo MCA | | | | | |
|--------------------|-----------------|----|----|--------|----|-----|
| Tip Volumes (µL) | 200 | | | 500 | | |
| Part Number | PTT-92 | | | PTT-95 | | |
| Resin Volumes (µL) | 5 | 20 | 20 | 40 | 80 | 160 |

| Models | Freedom Evo LiHa | | | | |
|--------------------|------------------|----|----|----|-----|
| Tip Volumes (µL) | 1000 | | | | |
| Part Number | PTT-91 | | | | |
| Resin Volumes (µL) | 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 |

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 |

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 |

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 |

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-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-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-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-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 |

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

| Part Number | Description | Qty. |
|--------------------------------------|--|------|
| CaptureSelect Affinity Resins | | |
| 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-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-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-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-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-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-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-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-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-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-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 |

AAV PhyTip® Columns

| Part Number | Description | Qty. |
|----------------------------------|--|------|
| CaptureSelect® AAVX Resin | | |
| 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(μ L) | 200 | | | |
| Resin volumes(μ L) | 5 | 20 | 40 | 80 |

Antibody Binding PhyTip® Columns

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

Recombinant Protein PhyTip® Columns

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

*Corresponding Buffer kit available for ordering.

Chromatography PhyTip® Columns

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

AAV PhyTip® Columns

| Part Number | Description | Qty. |
|----------------------------------|---|------|
| CaptureSelect® AAVX Resin | | |
| PTB-92-05-33 | 200 μ L PhyTip® column, 5 μ L CaptureSelect AAVX resin | 96 |
| PTB-92-20-33 | 200 μ L PhyTip® column, 20 μ L 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 μ L 5K desalting resin | 96 |
| PDR-91-60-06 | 1 mL PhyTip® column, 600 μ L 5K desalting resin | 96 |
| 30K Desalting Resin | | |
| PDR-91-20-17 | 1 mL PhyTip® column, 200 μ L 30K desalting resin | 96 |
| PDR-91-60-17 | 1 mL PhyTip® column, 600 μ L 30K desalting resin | 96 |

Plasmid Purification PhyTip® Columns

| Part Number | Description | Qty. |
|-------------------------|---|------|
| Plasmid Miniprep | | |
| DPB-92-40-70 | 200 μ L PhyTip® column, 40 μ L Miniprep silica and buffers for Plasmid Miniprep | 96 |
| DPB-92-80-70 | 200 μ L PhyTip® column, 80 μ L Miniprep silica and buffers for Plasmid Miniprep | 96 |
| DPB-92-80-70-10 | 200 μ L PhyTip® column, 80 μ L 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. Necessary for automated plasmid MiniPrep | 1 |
| PHF-96-200-01 | Desalting Adaptor Block for 200 μ L Desalting columns for robotic platforms with gripper arm | 1 |
| PHF-96-600-01 | Desalting Adaptor Block for 600 μ L 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 |

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 |

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 |

| Part Number | Description | Qty. |
|--------------------------|--|------|
| 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 |

| Part Number | Description | Qty. |
|---|--|------|
| 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 |

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 |

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 |

Hamilton

NIMBUS | STAR | VANTAGE

| 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-93-20-24 | 300 µL PhyTip® column, 20 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-93-20-31 | 300 µL PhyTip® column, 20 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-93-20-35 | 300 µL PhyTip® column, 20 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 |

Hamilton, NIMBUS | STAR | VANTAGE Continued:

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 |

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 |

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 |

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 |

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 |

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 |

| Part Number | Description | Qty. |
|-----------------------------------|---|------|
| 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 |

| Part Number | Description | Qty. |
|------------------------------------|--|------|
| 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 |

| Part Number | Description | Qty. |
|----------------------------|---|------|
| 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 |

| Part Number | Description | Qty. |
|-------------------------|--|------|
| 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 |

| Part Number | Description | Qty. |
|--------------------------|---|------|
| 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 |

| Part Number | Description | Qty. |
|---|---|------|
| 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 |

| Part Number | Description | Qty. |
|--|--|------|
| 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 |

| Part Number | Description | Qty. |
|---|---|------|
| 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 |

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 |

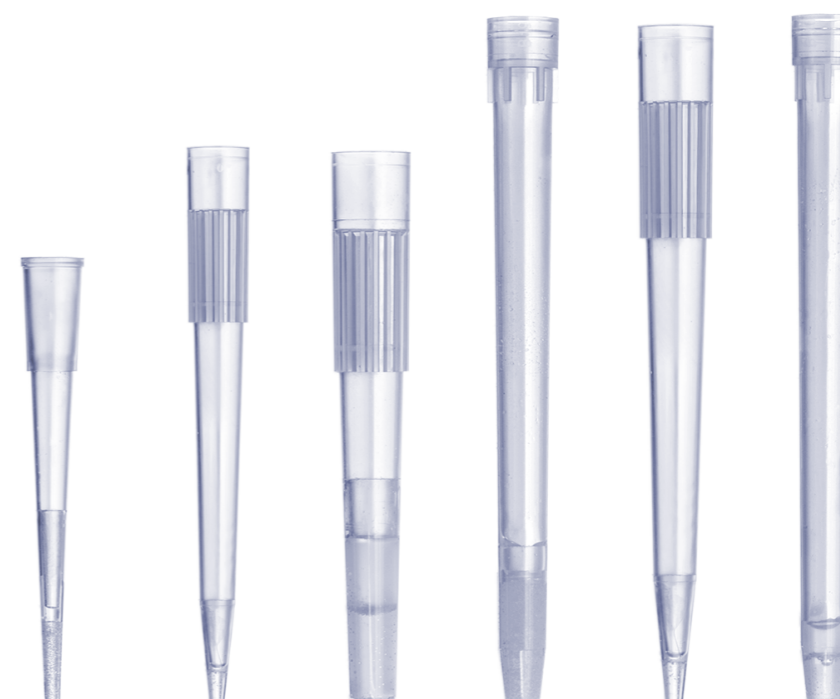
*Corresponding Buffer kit available for ordering.

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 |

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

