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HPLC Columns

ProntoSIL

ProntoSIL HPLC Columns

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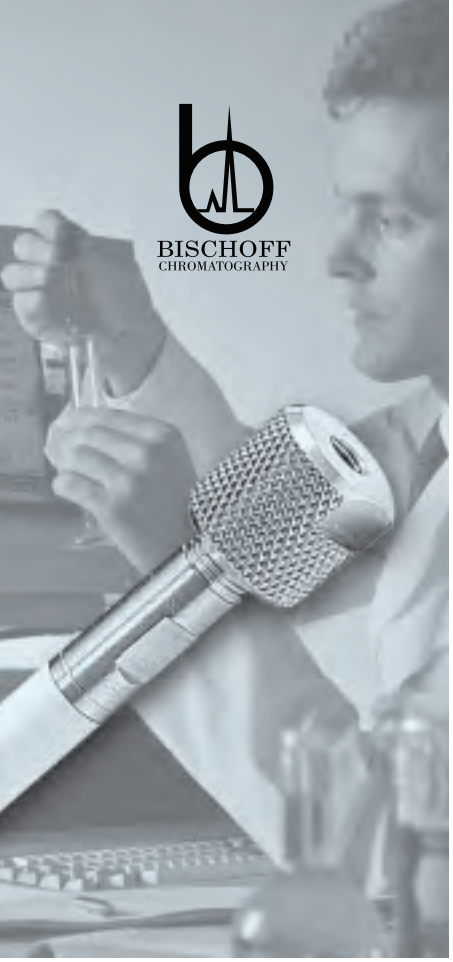

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ProntoSIL HPLC Columns

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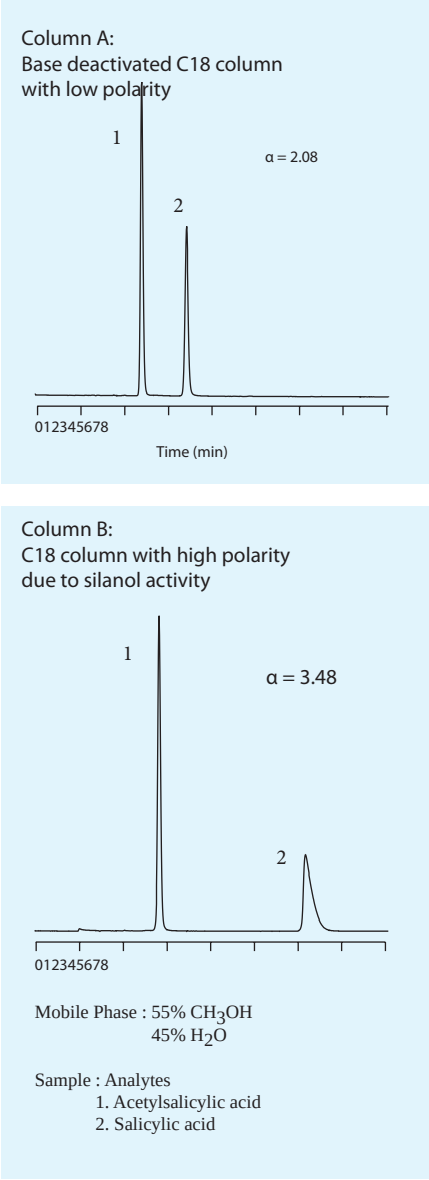
ProntoSIL C18-EPS Reversed-Phase HPLC Columns

Using New Polar Embedded Phases to Optimize Reversed Phase Separations

Figure 1
High Polarity Stationary Phases Offer Alternate Selectivity to Base Deactivated Phases



Column B (significant silanol activity) provides greater selectivity than Column A for these polar solutes but at a cost of poorer peak shape for salicylic acid.

Introduction

Base deactivated stationary phases have been a real asset to chromatographers who develop HPLC separations of polar compounds. Columns packed with these base-deactivated phases provide better peak shape, increased column efficiency, and improved lot-to-lot reproducibility, especially when separating bases.

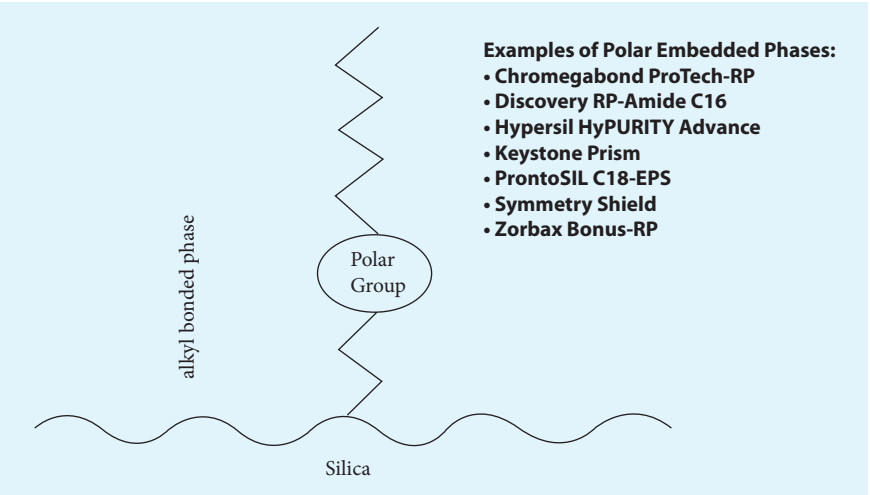
However, there are occasions when a typical base deactivated phase may not provide an optimum separation. Manufacturers of base deactivated columns try to minimize interactions between polar solutes and silanol groups on the surface of the stationary phase support. This produces stationary phases with low polarity and these low polarity phases will all have similar selectivity for polar compounds. This means that if one brand of base deactivated column lacks selectivity to adequately separate a pair of polar solutes, other brands of base deactivated columns will also probably lack adequate selectivity.

To optimize the separation, a more polar stationary phase may be necessary. Unfortunately, stationary phases that have polar characteristics due to silanol activity will often exhibit poor peak shape and uncertain reproducibility when separating polar compounds (Figure 1).

To solve this problem, column manufacturers have developed a new type of base deactivated stationary phase with polar groups, such as amides or carbamates, “embedded” in the bonded phase (Figure 2).

These polar embedded phases provide polar selectivity without the poor chromatographic performance associated with stationary phases that have high silanol activity.

Figure 2
Polar Embedded Phases



By embedding a polar group, such as an amide or carbamate, in the bonded phase a new type of base deactivated column with polar selectivity can be created.

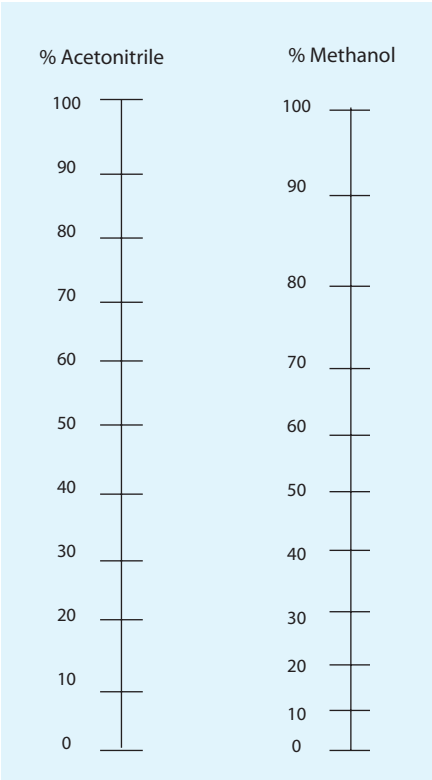
Strategy for Developing Reversed Phase Separations of Ionic Compounds

Table 1 provides a brief outline of a typical strategy used to develop an isocratic separation of polar compounds.
As mentioned before, typical base deactivated columns sometimes fail to provide adequate selectivity for mixtures of polar compounds.
This is where polar embedded phases should be used.
The polar characteristics of these special base deactivated columns will often provide significantly better selectivity for mixtures of acids and bases.
Therefore, if during the process of developing a separation you find that a typical C18 or C8 column does not provide adequate selectivity, your next step should be to select a polar embedded phase column to evaluate.

Table 1
Strategy for Developing Reversed Phase Separations of Polar Compounds

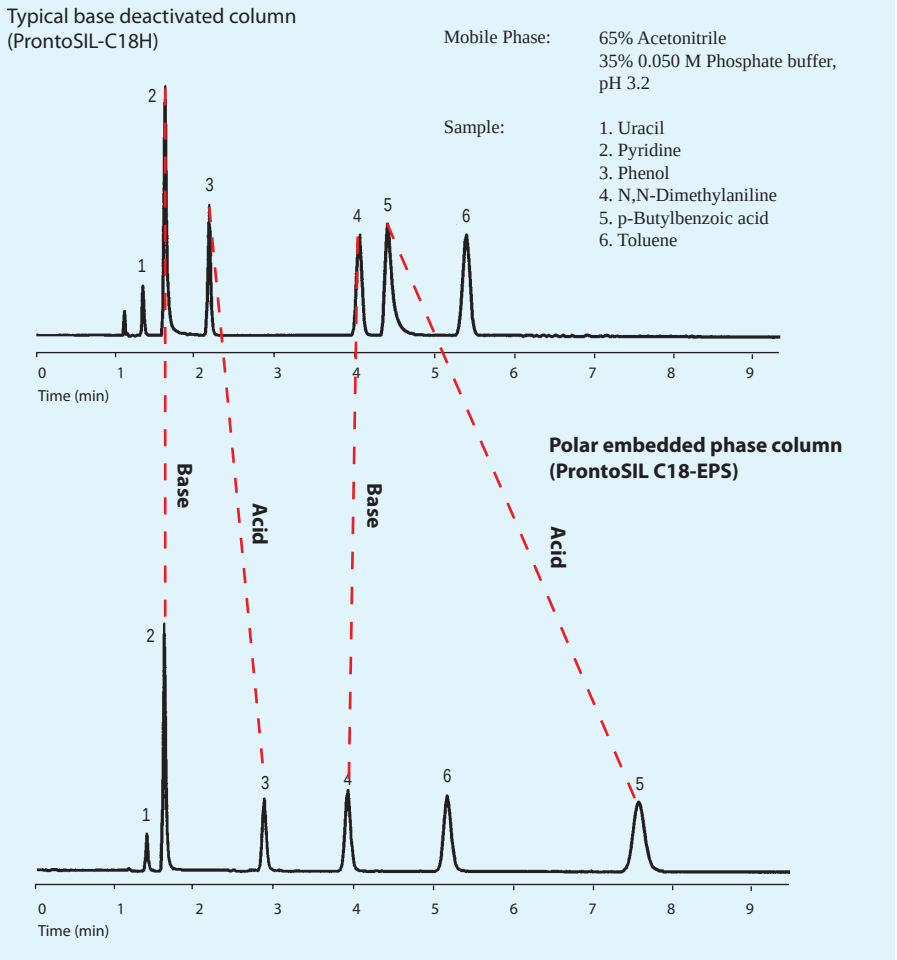
- Select a base deactivated C18 or C8 column.
- Use a mobile phase consisting of acetonitrile and 0.025 — 0.050 M potassium phosphate at a pH less than 3.0.
- Adjust the amount of acetonitrile in the mobile phase until the k values of all peaks are between 1 and 10.
- Evaluate the selectivity, and if it is unacceptable, (i.e., not all peaks of interest are adequately separated), substitute methanol for acetonitrile and again evaluate selectivity. Figure 4 will help you calculate the amount of methanol needed in the mobile phase to keep the elution strength constant.
- If selectivity is still unacceptable, choose a different stationary phase to evaluate. This can be a different brand of C18, but your best bet is to try a different bonded phase chemistry such as CN, Phenyl, or a polar embedded phase.
- Once the selectivity is acceptable, optimize the separation by adjusting the mobile phase strength (% organic solvent composition) and flow rate until all peaks are adequately separated (Rs > 1.5) and the system back pressure and overall separation time is suitable for the application. In a rigorous method development process, mobile phase pH, mobile phase additives (buffer concentration, ion pair reagents, amine modifiers, etc.), column temperature, and column configuration should also be evaluated and optimized.

Figure 3
Solvent Elution Strength Comparison



Acetonitrile is a stronger solvent than methanol for reversed phase HPLC. This nomograph will help you keep the mobile phase elution strength constant when you switch from acetonitrile to methanol. For example, you will need about 62% methanol in the mobile phase to equal the eluting strength of 50% acetonitrile.

Figure 4
Polar Embedded Phases Offer Alternate Selectivity to Typical Base Deactivated Phases



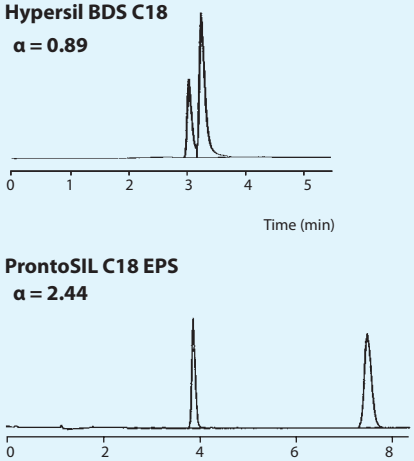
In general, polar embedded phases will retain acids longer and bases slightly less than typical base deactivated columns.

Using The Polar Selectivity of Polar Embedded Phases to Optimize a Separation

Columns packed with polar embedded phases are used in the same way as typical reversed phase columns and the separation strategy outlined in Table 1 is also appropriate for these columns.
However, you should expect significant differences in selectivity from polar embedded phases due to their polar selectivity.

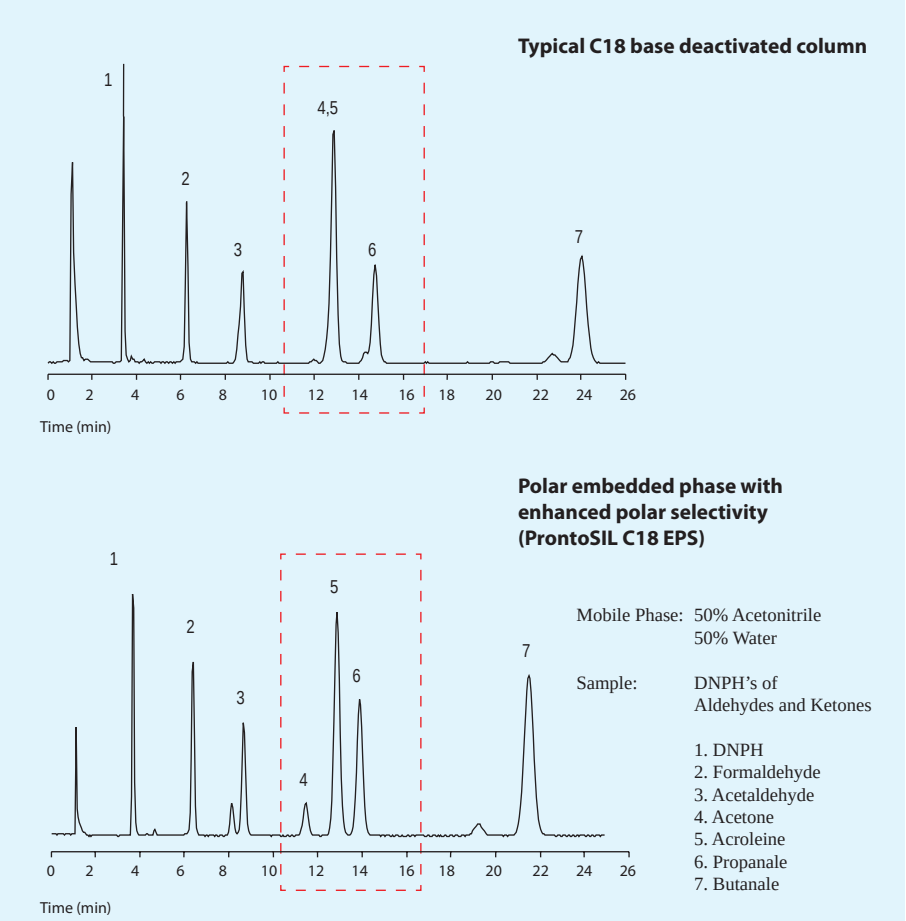
The polar selectivity of polar embedded phases comes from the interaction between the amide or carbamate group and polar solutes. In general you can expect that acidic compounds will be retained longer and basic compounds will be retained slightly less on polar embedded phases compared to typical reversed phase columns (Figure 4) . Sometimes the selectivity differences can be dramatic, as shown in Figure 5, and sometimes they may be more subtle but still significant in optimizing a separations, as shown in Figure 6.

FIGURE 5
Polar Embedded Phases Can Offer Dramatic Improvements in Selectivity



The ProntoSIL C18-EPS with enhanced polar selectivity provides significantly better selectivity for this pair of polar solutes than a typical base deactivated column (Hypersil BDS C18).

Figure 6
Subtle Differences in Stationary Phase Selectivity Can Be Useful in Optimizing HPLC Separations

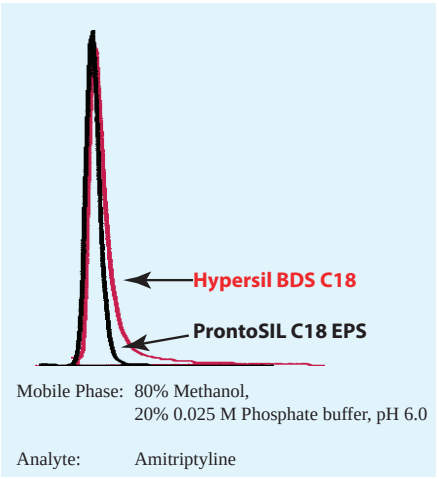


The polar selectivity offered by polar embedded phases will often provide a better separation. In this separation of DNPH's of aldehydes and ketones, compounds 4 and 5 co-elute on a typical base deactivated phase, but are well separated on a polar embedded phase.

Improved Peak Shape

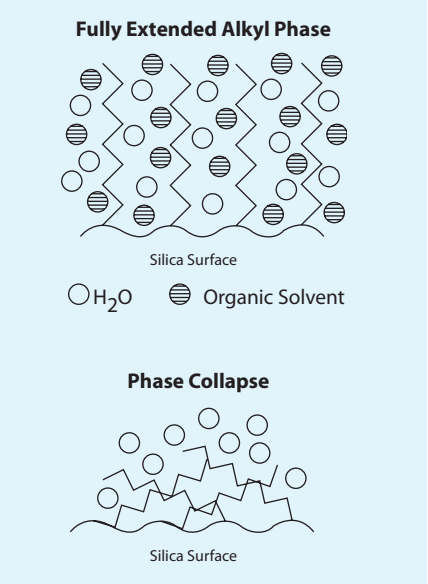
Most polar embedded phases use high purity silica as the stationary phase support and thoroughly cover the silica with bonded phase to reduce interaction between acidic silanols and polar solutes.
This in itself would produce a stationary phase with good peak shape for basic compounds, but polar embedded phases also have the advantage of further deactivating the stationary phase support
by means of the amide or carbamate groups.
Although the mechanism is not fully understood, the prevailing view is that the polar embedded groups interact with unbonded silanols on the silica stationary phase support and thereby block them from interacting with polar solutes.
The effect is similar to adding an amine modifier to the mobile phase.
This "polar shielding," as some manufacturers call it, gives these phases excellent peak shape for basic compounds over a broad pH range (Figure 7).

Figure 7
Polar Embedded Phases Provide Excellent Peak Shape for Basic Compounds



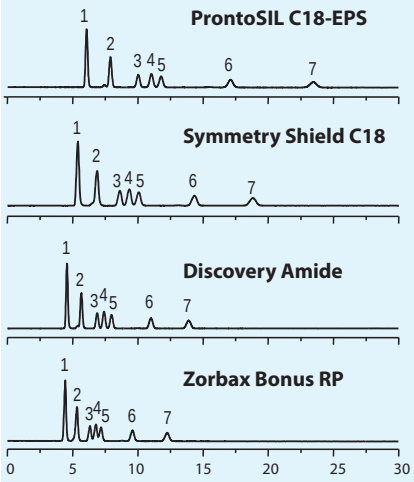
The amide group of the ProntoSIL C18-EPS shields the silica surface and prevents solutes from interacting with silanol groups. The result is exceptionally good peak shape for even difficult basic compounds.

Figure 8
Phase Collapse



When operating with less than 10% organic modifier in the mobile phase, typical C18 and C8 phases are susceptible to phase collapse.
Polar embedded phases do not have this problem and are preferred over typical base deactivated phases for high aqueous mobile phase conditions.

Figure 9
Comparison of Retention of Some Popular Polar Embedded Phases



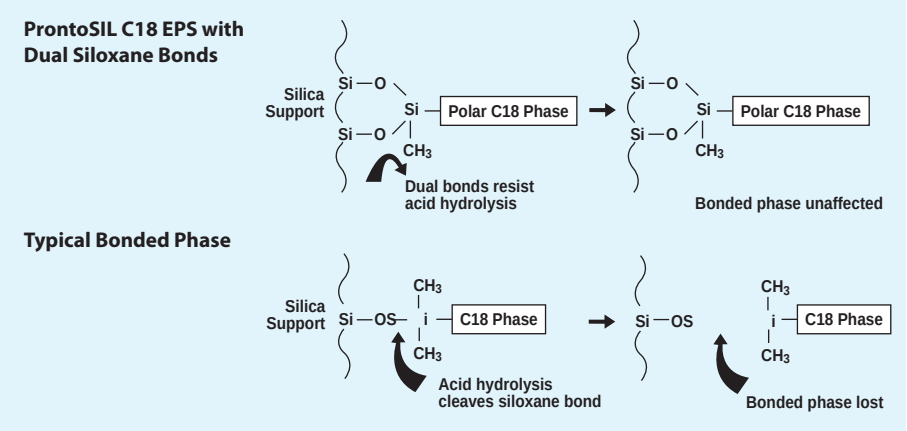
Column: 4.6 x 150 mm
Mobile Phase: 50% CH_3CN
50% H_2O

Flow Rate: 1.0 mL/min

Sample:
1. Formaldehyde
2. Acetaldehyde
3. Acetone
4. Acroleine
5. Propanale
6. Crotonaldehyde
7. Butylraldehyde

Most polar embedded phase columns are less hydrophobic, and thus less retentive than typical reversed phase columns. ProntoSIL C18-EPS, however, is an exception and provides comparable retention to other C18 phases. In this example, we see that ProntoSIL C18-EPS is the most retentive of these four polar embedded phases.

Figure 10
Bonded Phase on the ProntoSIL C18-EPS is Secured Through Dual Siloxane Bonds



Acid hydrolysis of the siloxane bond and the resulting loss of bonded phase (i.e., C18 Phase) is one of the major reasons for column failure. ProntoSIL C18-EPS uses unique bonding chemistry to secure the polar C18 phase to the silica support through dual siloxane bonds. The dual bonding inhibits the loss of bonded phase and makes these columns unusually stable.

Polar Embedded Phases Are Preferred for High Aqueous Mobile Phase Conditions

The alkyl bonded phase of typical C18 and C8 columns undergo what many researchers call “phase collapse,” or “matting,” when operating with less than 10% organic modifier in the mobile phase (Figure 8). As phase collapse progresses, the availability of the alkyl phase to interact with solutes decreases and retention time decreases.
Polar embedded phases can be used with high aqueous mobile phases without the problem of phase collapse.
The polar embedded groups permit the stationary phase surface to remain “wet” even under 100% aqueous mobile phase conditions.
This keeps the bonded phase fully extended into the mobile phase, eliminates phase collapse, and facilitates the retention of highly water soluble compounds that may be poorly retained on typical reversed phase columns.
Ion pair reagents can be avoided so that chromatographic conditions are simpler and methods are more rugged.

Retention Comparison

In general, polar embedded phase columns are less hydrophobic and therefore less retentive than typical reversed phase columns.
ProntoSIL C18-EPS, however, is an exception. It provides similar retention as other C18 phases for neutral and hydrophobic compounds and slightly
more retention for some highly water soluble compounds. Figure 9 provides a comparison of retention for four popular polar embedded phases.

Bonded Phase Stability

There is no reason to believe that polar embedded phases are any less stable than typical C18 and C8 phases.
Most manufacturers report stability data to support this. One column, Zorbax Bonus RP, uses unique silanes with bulky side groups to add stability to its bonded phase.
Another column, ProntoSIL C18-EPS, uses dual siloxane bonds to increase bonded phase stability and actually demonstrates much greater durability than other C18 phases as well as other polar embedded phases (Figure 10).
The next time you encounter poor selectivity while trying to separate polar solutes on a base deactivated phase, try one of these new polar embedded phases. You will be more likely to achieve a satisfactory separation with the polar embedded phase than with another brand of base deactivated column.

ProntoSIL C30-EPS Reversed-Phase HPLC Columns

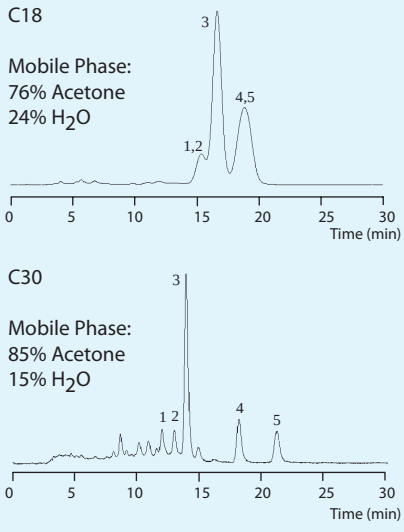
- **Unique "planar selectivity" for carotenoids and structural isomers**
- **Excellent reproducibility**
- **Multi-valent silane bonding for enhanced stability**

Reversed Phase HPLC Columns for the Separation of Hydrophobic Structural Isomers

ProntoSIL C30 HPLC columns are particularly recommended for the separation of hydrophobic, long-chain, structural isomers. They are often a better alternative to normal phase columns for the separation of isomers since they are not as sensitive as normal phase columns to water content of the mobile phase and are not as susceptible to column fouling. ProntoSIL C30 columns show significantly greater shape selectivity compared to C18 phases due to their rigid, highly ordered C30 alkyl groups (Figure 6). This shape selectivity advantage makes them the ideal HPLC column to use for the separation of carotenoids (Figure 7) and tocopherol derivatives (Figure 8).

For best performance, C30 columns should be used at ambient temperature or lower.
At elevated temperatures, the C30 alkyl chains will become less ordered and lose their shape selectivity (Figure 9). In addition, C30 phases should be used with mobile phases containing at least 20% organic modifier to avoid phase collapse.
Although you can expect lower plate count on C30 phases compared to C18 phases, the ability of the C30 phases to separate isomers that are not possible to separate on C18 phases make them an attractive choice for many applications. C30 phases have been successfully used for the analysis of plant extracts, food, and biological tissues that contain structurally different carotenoids and mixtures of geometricisomers.
They are also commonly used for separating stereoisomers of vitamin E and vitamin A, and for the separation of PAHs.

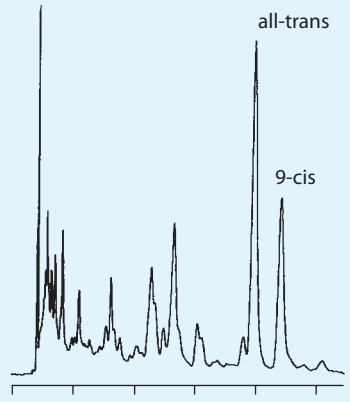
Figure 6
Comparison of C30 and C18 Phases for the Separation of Lutein Stereoisomers



Flow Rate: 1 ml/min
Detector: UV at 450 nm
Sample: 1) 13-Z lutein, 2) 13'-Z lutein, 3) all-E-lutein 4) 9-Z lutein, 5) 9'-Z lutein

By courtesy of Prof.Dr.K.Albert et al, University Tuebingen,Germany.

Figure 7
HPLC Separation of Carotenoids



Column: ProntoSIL C30,4.6 x 250 mm
Mobile Phase: 80% Methanol,20% TBME
Flow Rate: 1.4 ml/min
Temperature: 20°C

Figure 8
HPLC Separation of Tocopherol Isomers

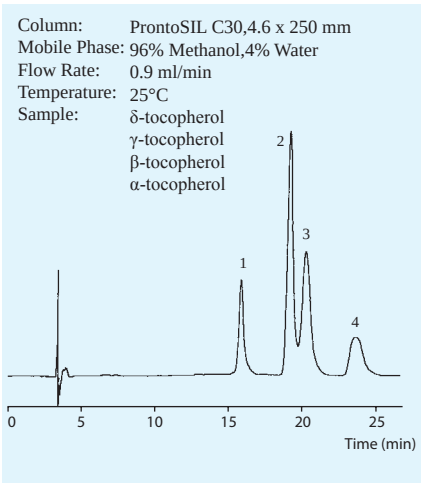
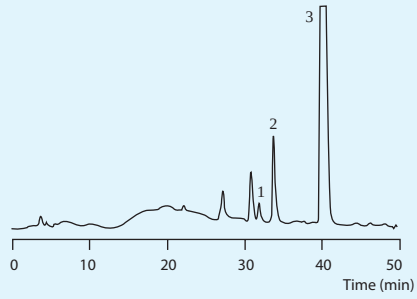


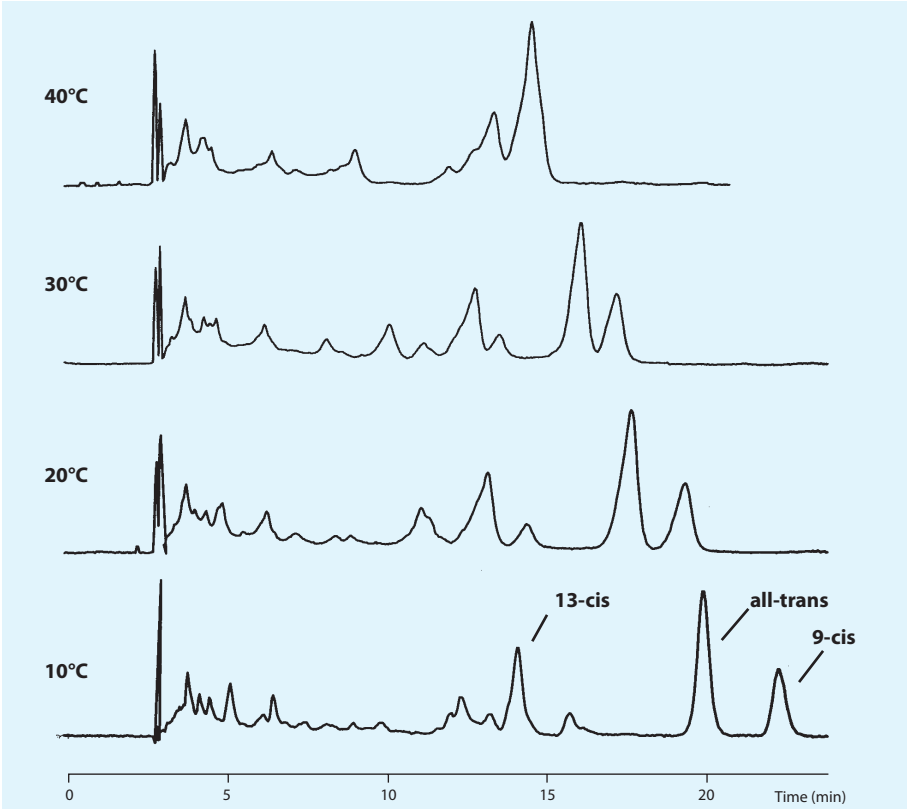
Figure 10
HPLC Separation of Steroids (Metabolites of Norethisterone Acetate)



Mobile Phase: 50% to 100% B,60 minutes
A:Water
B:Methanol
Flow Rate: 0.6 ml/min
Detection: UV at 260 nm
Sample: 2. p-Butylbenzoic acid
1) 6-Keto-Norethisterone acetate
2) Estradiol
3) Norethisterone acetate

By courtesy of Prof.Dr.K.Albert et al, University Tuebingen,Germany.

Figure 9
The Effect of Temperature on Shape Selectivity of C30 Phases



Specifications

Stationary Phase Support:

Spherical,ultra-pure,"Type B"silica

- 3 and 5 micron particle size
- 200 Angstrom pore size
- 200 m2/gram surface area

Bonded Phase:

Polymeric bonding chemistry, non-endcapped

- C30 (Triacontylsilane)
- 18.5% carbon load

ProntoSIL C30 Ordering Information

Dimensions (mm)	Particle Size (µm)	Part Number
2.0 x 50	3	0502H300PS030
2.0 x 50	5	0502H300PS050
2.0 x 75	3	0702H300PS030
2.0 x 75	5	0702H300PS050
2.0 x 100	3	1002H300PS030
2.0 x 100	5	1002H300PS050
2.0 x 150	3	1502H300PS030
2.0 x 150	5	1502H300PS050
2.0 x 250	5	2502H300PS050
4.6 x 50	3	0546H300PS030
4.6 x 50	5	0546H300PS050
4.6 x 75	3	0746H300PS030
4.6 x 75	5	0746H300PS050
4.6 x 100	3	1046H300PS030
4.6 x 100	5	1046H300PS050
4.6 x 150	3	1546H300PS030
4.6 x 150	5	1546H300PS050
4.6 x 250	3	2546H300PS030
4.6 x 250	5	2546H300PS050
8.0 x 250	5	2580H300PS050
20.0 x 250	5	2520H300PS050

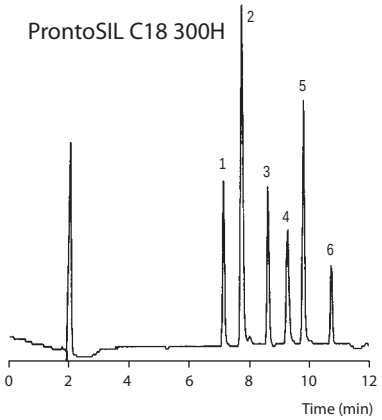
Guard Cartridges (Guard Cartridge Holder required)

4.0 x 10 (5 pk)	5	6301H300PS050
2.0 x 10 (5 pk)	5	6321H300PS050
Guard Cartridge Holder		15010508

ProntoSIL 300Å Wide Pore

These wide pore phases are recommended for the separation of proteins and peptides. As with all ProntoSIL phases, ultra pure silica is used for the stationary phase support, and the latest bonding technology is used to provide rugged, reliable separations. C18, C8, and C4 bonded phase are available.

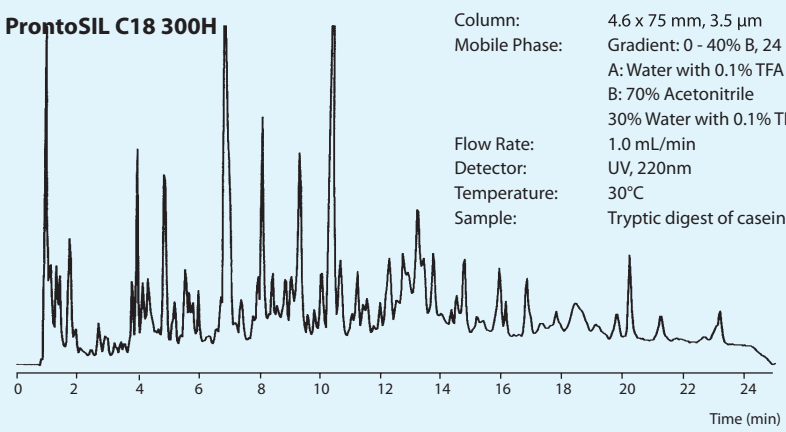
Figure 14
Separation of Peptides on ProntoSIL C18 300H



Column:	4.6 x 250 mm, 5 µm
Mobile Phase:	Gradient: 20 - 100% B, 30 min A: Water with 0.1% TFA B: 70% Acetonitrile 30% Water with 0.1% TFA
Flow Rate:	1.5 mL/min
Detector:	UV, 220nm
Temperature:	30°C
Sample:	1.Oxytocin 4. Eledoisi 2. Bradykinin 5. Neurotensin 3. Angiotensin II 6. Angiotensin

The wide pore ProntoSIL C18 300H column is recommended for the separation of peptides.

Figure 15
Separation of Tryptic Digest of Casein



High efficiency ProntoSIL C18 300H 3 micron material packed in a short column provides high speed, high resolution separation of tryptic digests.

Specifications for ProntoSIL 300Å Phases

Phase	End capped	Particle Size (µm)	Pore Size Å	Surface Area (m2/g)	Carbon Load (%)
C18 300 H	yes	3, 5	300	100	7
C8 300 SH	yes	3, 5	300	100	4
C4 300	yes	3, 5	300	100	2.5

ProntoSIL 300Å Wide Pore Ordering Information

Dimensions (mm)	Particle Size (µm)	C18 300 H	C8 300 SH	C4 300
2.0 x 50	3	0502K185PS030	0502K080PS030	0502K040PS030
2.0 x 50	5	0502K185PS050	0502K080PS050	0502K040PS050
2.0 x 75	3	0702K185PS030	0702K080PS030	0702K040PS030
2.0 x 75	5	0702K185PS050	0702K080PS050	0702K040PS050
2.0 x 100	3	1002K185PS030	1002K080PS030	1002K040PS030
2.0 x 100	5	1002K185PS050	1002K080PS050	1002K040PS050
2.0 x 150	3	1502K185PS030	1502K080PS030	1502K040PS030
2.0 x 150	5	1502K185PS050	1502K080PS050	1502K040PS050
2.0 x 250	5	2502K185PS050	2502K080PS050	2502K040PS050
4.6 x 50	3	0546K185PS030	0546K080PS030	0546K040PS030
4.6 x 50	5	0546K185PS050	0546K080PS050	0546K040PS050
4.6 x 75	3	0746K185PS030	0746K080PS030	0746K040PS030
4.6 x 75	5	0746K185PS050	0746K080PS050	0746K040PS050
4.6 x 100	3	1046K185PS030	1046K080PS030	1046K040PS030
4.6 x 100	5	1046K185PS050	1046K080PS050	1046K040PS050
4.6 x 150	3	1546K185PS030	1546K080PS030	1546K040PS030
4.6 x 150	5	1546K185PS050	1546K080PS050	1546K040PS050
4.6 x 250	5	2546K185PS050	2546K080PS050	2546K040PS050
8.0 x 250	5	2580K185PS050	2580K080PS050	2580K040PS050
Guard Columns*				
2.0 x 10	5	6321K185PS050	6321K080PS050	6321K040PS050
4.0 x 10	5	6301K185PS050	6301K080PS050	6301K040PS050
Guard Cartridge Holder Set		15010508	15010508	15010508

*Requires Hardware Kit

ProntoSIL Chiral AX HPLC Columns

- **Multi-mode separation: Reversed phase, non-aqueous reversed phase (NARP), normal phase**
- **Two complementary phases: Separate enantiomers in the order R, S or S, R**
- **Stability: pH stable from 2 - 8**
- **High loadability: Up to 50 mg sample per gram of stationary phase**

ProntoSIL Chiral AX

Multi-modal, Complementary Chiral HPLC Columns The new ProntoSIL Chiral AX HPLC columns from Bischoff Chromatography can be described in one word; versatile. With Chiral AX, you now have the versatility to use any mobile phase, aqueous or organic, reversed phase or normal phase.

Furthermore, Chiral AX now offers pH stability for chiral separations similar to that obtained with standard reversed phase columns. Since the objective of many chiral separations is isolation and purification of one enantiomer, Chiral AX offers both high loadability and the option of reversing elution order by using one of two complementary bonded phases.

Description

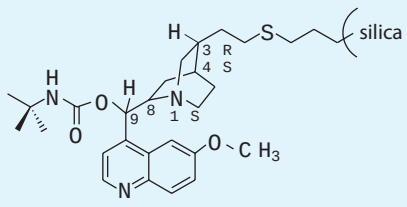
ProntoSIL Chiral AX HPLC columns are weak anion exchangers and are very well suited for the separation of acidic chiral analytes such as N-derivatized amino acids, amino sulfonic acids, amino phosphonic acids, acidic pharmaceuticals, arylcarbonic acid herbicides and N-derivatized peptides.

Two chiral selectors are offered:
carbamylated quinine (ProntoSIL Chiral AX QN-1) and carbamylated quinidine (ProntoSIL Chiral AX QD-1). The structure of these phases is show in Figure 11.

Choose a Mobile Phase That's Right for Your Sample

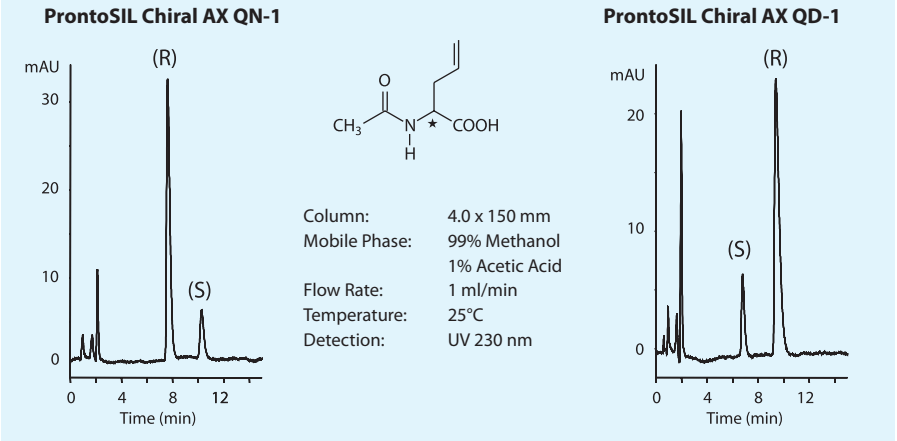
ProntoSIL Chiral AX columns are "multimodal" in that they can be used in either reversed-phase, non-aqueous reversed phase or normal phase modes. Many chiral columns restrict the amount of organic or aqueous solvent allowed in the mobile phase. Because of the non-covalent bonding used in these other columns, use of solvents outside the recommended range can cause irreversible column damage. The chiral selective group used in Chiral AX is covalently bonded to the silica support and can be used in the same manner as a typical reversed phase column. These columns are well suited for use in high aqueous mobile phases making them the ideal choice for the separation of biological enantiomers such as amino acids and peptides.

Figure 11
Structure of the Chiral AX Phases



ProntoSIL Chiral AX QN-1:
Carbamylated Quinine (8S, 9R)
ProntoSIL Chiral AX QD-1:
Carbamylated Quinidine (8R, 9S)

Figure 12
Separation of the Enantiomers of Allylglycine on Both Supports



Achieve Complementary Separations

The chiral selectivity of ProntoSIL AX is due to several possible mechanisms including steric interaction, hydrogen bonding, π-π interactions and ion pairing.
These different contributions offer a powerful separation mechanism. In most instances, R & S enantiomers separated on the quinine form (QN-1) of the column can be eluted in reverse order when using the quinidine (QD-1) column (See Fig 12).
The complementary separation thus obtained can be a powerful tool when scaling up the separation for purification of a given enantiomer.

High Loadability

Chiral AX columns offer excellent loadability, up to 50 mg of sample per gram of stationary phase. This high capacity coupled with the complementary separations obtained makes ProntoSIL Chiral AX columns in the QN-1 and QD-1
phases an excellent preparative system for chiral compounds (Fig 13).

Literature References

Quinine and Quinidine Derivatives as Chiral Selectors I. Brush Type Chiral Stationary Phases for HPLC Based on Cinchonan Carbamates and Their Application as Chiral Anion Exchangers, M.Lämmerhofer and W.Lindner, J.Chromatogr. A 741, 33-48 (1996).

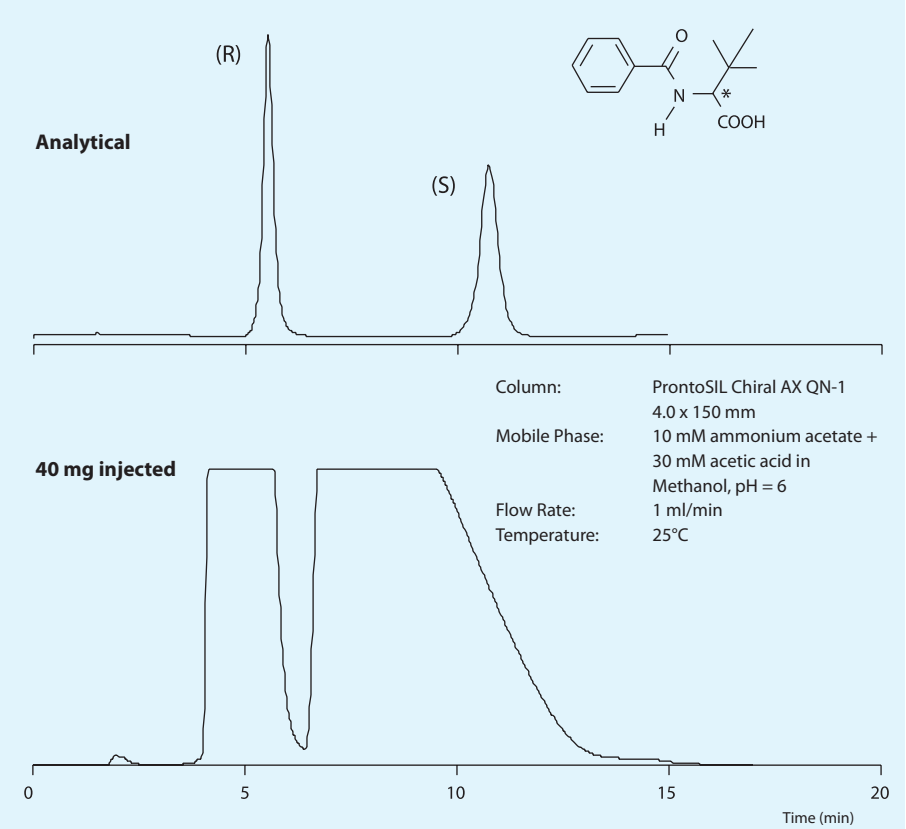
Chiral Anion Exchange-Type Stationary Phases Based on Cinchonan Alkaloids. An effective tool for the separation of the enantiomers of chiral acids. M. Lämmerhofer, N.M.Maier and W. Lindner, American Laboratory 30/8, 71-78 (1998).

Enantioselective Anion Exchangers Based on Cinchona Alkaloid Derived Carbamates: Influence of C8/C9-Stereochemistry on Chiral Recognition, N.M.Maier, L. Nicoletti, M.

Lämmerhofer and W. Lindner, Chirality 11, 522-528 (1999).

Enantiomeric Separation of N-protected Amino Acids by Non-aqueous Capillary Electrophoresis Using Tert.Butyl Carbamoylated Quinine as Chiral Additive, V. Piette, M. Lämmerhofer,W. Lindner, J. Crommen, Chirality 11, 622-630 (1999).

Figure 13
ProntoSIL Chiral AX Columns Show Extremely High Loadability



ProntoSIL Chiral AX Ordering Information

Dimensions Particle (mm)	Size (µm)	AX QD-1	AX QN-1
2.0 x 150	5		1502F10EPS050
2.0 x 150	5	1502F10FPS050	
4.0 x 150	5		1504F10EPS050
4.0 x 150	5	1504F10FPS050	
8.0 x 150	5		1580F10EPS050
8.0 x 150	5	1580F10FPS050	
Guard Cartridges			
2.0 x 10 (3 pk)	5	6321F10FPS050	6321F10EPS050
4.0 x 10 (3 pk)	5	6301F10FPS050	6301F10EPS05
Guard Cartridge Holder		15010508	15010508

ProntoSIL Chiral AX columns are also available in preparative dimensions.

High Performance ProntoSIL HPLC Columns

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ProntoSIL C18 ace-EPS(shielded-Encapsulation)

- new group of stationary RP-supports with polar embedded groups .
- very stable over a wide pH range (pH 1-10).
- maximum of hydrophobicity combined with a maximum of polar selectivity .
- The application area of these packings is in the pharmaceutical industry where the analytes often have basic or acidic groups.

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	Surface area	%C
ProntoSIL 120-3-C18 ace-EPS	250 x 4.6	120 Å	3 µm	300 m2/g	18,5
ProntoSIL 300-3-C18 ace-EPS	250 x 4.6	300 Å	1.03 µm	100 m2/g	8,5
ProntoSIL 120-5-C18 ace-EPS	250 x 4.6	120 Å	5 µm	300 m2/g	18,5
ProntoSIL 200-5-C18 ace-EPS	250 x 4.6	200 Å	5 µm	200 m2/g	12,5
ProntoSIL 300-5-C18 ace-EPS	250 x 4.6	300 Å	5 µm	100 m2/g	8,5
ProntoSIL 120-10-C18 ace-EPS	250 x 4.6	120 Å	10 µm	300 m2/g	18,5

ProntoSIL C18 AQ

- available in various pore and particle sizes
- fully end-capped
- for optimum separation of hydrophilic compounds
- good hydrophilic stability
- ProntoSIL C18 AQ the primary separation mechanism is hydrophobic interaction.

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	Surface area	%C
ProntoSIL 120-3-C18 AQ	250 x 4.6	120 Å	3 µm	300 m2/g	14
ProntoSIL 200-3-C18 AQ	250 x 4.6	200 Å	3 µm	200 m2/g	9
ProntoSIL 120-5-C18 AQ	250 x 4.6	120 Å	5 µm	300 m2/g	14
ProntoSIL 200-5-C18 AQ	250 x 4.6	200 Å	5 µm	200 m2/g	9
ProntoSIL 120-10-C18 AQ	250 x 4.6	120 Å	10 µm	300 m2/g	14

ProntoSIL C18 AQ PLUS

- the use in aqueous mobile phases with an organic content below 10 %.
- ProntoSIL C18 AQ PLUS shows an enhanced stability at low pH's down to pH 1.
- packing shows excellent peak shapes in pure aqueous eluents but differs in shape selectivity compared to ProntoSIL C18 AQ.

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	Surface area	%C
ProntoSIL 120-5-C18 AQ PLUS	250 x 4.6	120 Å	5 µm	300 m2/g	17

ProntoSIL C18 H

- available in various pore and particle sizes.
- fully end-capped .
- no non-specific adsorption

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	Surface area	%C
ProntoSIL 60-3-C18 H	250 x 4.6	60 Å	3 µm	450 m2/g	18,5
ProntoSIL 120-3-C18 H	250 x 4.6	120 Å	3 µm	300 m2/g	17,5
ProntoSIL 200-3-C18 H	250 x 4.6	200 Å	3 µm	200 m2/g	11
ProntoSIL 300-3-C18 H	250 x 4.6	300 Å	3 µm	100 m2/g	7
ProntoSIL 60-5-C18 H	250 x 4.6	60 Å	5 µm	450 m2/g	18,5
ProntoSIL 120-5-C1	250 x 4.6	120 Å	5 µm	300 m2/g	17,5
ProntoSIL 200-5-C18 H	250 x 4.6	200 Å	5 µm	200 m2/g	11
ProntoSIL 300-5-C18 H	250 x 4.6	300 Å	5 µm	100 m2/g	7
ProntoSIL 120-10-C18 H	250 x 4.6	120 Å	10 µm	300 m2/g	17,5

ProntoSIL C18 SH

- stationary phase in the ProntoSIL line with the maximum carbon load.
- fully endcapped.
- excellent shape selectivity and stability even at pH 1.

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	Surface area	%C
ProntoSIL 120-3-C18 SH	250 x 4.6	120 Å	3 µm	300 m2/g	17
ProntoSIL 120-5-C18 SH	250 x 4.6	120 Å	5 µm	300 m2/g	17
ProntoSIL 120-10-C18 SH	250 x 4.6	120 Å	10 µm	300 m2/g	17

ProntoSIL Eurobond C18

- Top Quality HPLC Column.
- Short Column for fast HPLC(125x4.0mm) & Standard Column(250x4.0mm).

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	L X ID in mm	End capping
ProntoSIL 120-5-Eurobond C18	1204F181PS050	120 Å	5 µm	125 x 4.0	Fully
ProntoSIL 120-5-Eurobond C18	2504F181PS050	120 Å	5 µm	250 x 4.0	Fully

ProntoSIL C8 SH

- Classical C8-type stationary phase.
- fully endcapped.
- 300 Å packings show excellent properties for the separate protein & peptide.
- Merck사 Lichrospher B Column과 비교하여 선택성 우수.

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	Surface area	%C
ProntoSIL 120-3-C8 SH	250 x 4.6	120 Å	3 µm	300 m2/g	10
ProntoSIL 200-3-C8 SH	250 x 4.6	200 Å	3 µm	200 m2/g	7
ProntoSIL 300-3-C8 SH	250 x 4.6	300 Å	3 µm	100 m2/g	4
ProntoSIL 60-5-C8 SH	250 x 4.6	60 Å	5 µm	450 m2/g	12
ProntoSIL 120-5-C8 SH	250 x 4.6	120 Å	5 µm	300 m2/g	10
ProntoSIL 200-5-C8 SH	250 x 4.6	200 Å	5 µm	200 m2/g	7
ProntoSIL 300-5-C8 SH	250 x 4.6	300 Å	5 µm	100 m2/g	4
ProntoSIL 120-10-C8 SH	250 x 4.6	120 Å	10 µm	300 m2/g	10

ProntoSIL C4

- Classical C4-type stationary phase.
- fully endcapped.
- bonding technology it shows an enhanced stability even at pH 1.
- RP-mode & HIC-mode available.

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	Surface area	%C
ProntoSIL 120-3-C4	250 x 4.6	120 Å	3 µm	300 m2/g	5
ProntoSIL 300-3-C4	250 x 4.6	300 Å	3 µm	100 m2/g	5
ProntoSIL 60-5-C4	250 x 4.6	60 Å	5 µm	450 m2/g	5
ProntoSIL 120-5-C4	250 x 4.6	120 Å	5 µm	300 m2/g	5
ProntoSIL 200-5-C4	250 x 4.6	200 Å	5 µm	200 m2/g	5
ProntoSIL 300-5-C4	250 x 4.6	300 Å	5 µm	100 m2/g	5

ProntoSIL C1

- Classical C1-type stationary phase.
- The application area is mainly the separation of non-polar solutes
- bonding technology it shows an enhanced stability even at pH 1.
- HIC-mode available.

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	Surface area	%C
ProntoSIL 120-3-C1	250 x 4.6	120 Å	3 µm	300 m2/g	3
ProntoSIL 120-5-C1	250 x 4.6	120 Å	5 µm	300 m2/g	3

ProntoSIL Phenyl

- RP packing & fully endcapped.
- 120 Å and particle sizes of 3 µm and 5 µm
- bonding technology it shows an enhanced stability even at pH 1.
- This packing shows an enhanced selectivity and hydrophobicity

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	Surface area	%C
ProntoSIL 120-3-Phenyl	250 x 4.6	120 Å	3 µm	300 m2/g	10
ProntoSIL 60-5-Phenyl	250 x 4.6	60 Å	5 µm	450 m2/g	12
ProntoSIL 120-5-Phenyl	250 x 4.6	120 Å	5 µm	300 m2/g	9,5

ProntoSIL Amino E

- Amino Propyl bonded phase
- fully endcapped it is perfectly suitable for the SFC of basic compounds
- three modes: NP-mode, RP-mode and IC-mode

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	Surface area	%C
ProntoSIL 120-5-Amino E	250 x 4.6	120 Å	5 µm	300 m2/g	5

ProntoSIL Amino H

- Amino Propyl bonded phase
- fully endcapped it is perfectly suitable for the SFC of basic compounds
- three modes: NP-mode, RP-mode and IC-mode

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	Surface area	%C
ProntoSIL 120-5-Amino H	250 x 4.6	120 Å	5 µm	300 m2/g	4,5

ProntoSIL CN

- cyano-propyl bonded phase
- used in normal phase mode and reversed phase mode
- quick equilibration time

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	Surface area	%C
ProntoSIL 120-3-CN	250 x 4.6	120 Å	3 µm	300 m2/g	5
ProntoSIL 120-5-CN	250 x 4.6	120 Å	5 µm	300 m2/g	5

ProntoSIL OH

- Diol bonded phase
- The Diol packing is an alternative to the silica-packings
- packings can also be used for SEC-applications

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	Surface area	%C
ProntoSIL 120-3-OH	250 x 4.6	120 Å	3 µm	300 m2/g	4
ProntoSIL 120-5-OH	250 x 4.6	120 Å	5 µm	300 m2/g	4

ProntoSIL C30

- stationary phase with a high carbon load
- excellent shape selectivity and stability even at pH 1
- separation of isomers of carotonoides and other long alkyl chain solutes
- The 300 Å packing is also available with endcapping.

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	Surface area	%C
ProntoSIL 120-3-C30	250 x 4.6	120 Å	3 µm	300 m2/g	25
ProntoSIL 200-3-C30	250 x 4.6	200 Å	3 µm	200 m2/g	20
ProntoSIL 200-5-C30	250 x 4.6	200 Å	5 µm	200 m2/g	20
ProntoSIL 200-10-C30	250 x 4.6	200Å	10 µm	200 m2/g	20
ProntoSIL 300-3-C30	250 x 4.6	300Å	3 µm	100 m2/g	13
ProntoSIL 300-5-C30	250 x 4.6	300 Å	5 µm	100 m2/g	13
ProntoSIL 300-3-C30 EC	250 x 4.6	300 Å	3 µm	100 m2/g	13
ProntoSIL 300-5-C30 EC	250 x 4.6	300 Å	5 µm	100 m2/g	13

ProntoSIL Chiral AX

- weak anion exchanger
- two selectors Quinine and Quinidine
- suitable for the chiral separation of acidic analytes like amino acids, peptides and acidic pharmaceuticals
- used in the RP mode or the non aqueous reversed phase mode (NARP)

Ordering Information

Packing	L X ID in mm	Pore size	Particle size	Surface area	%C
ProntoSIL 120-5-Chiral AX QN-1	0000F10EPS050	120 Å	5 µm	300 m2/g	-
ProntoSIL 120-5-Chiral AX QD-1	0000F10FPS050	120 Å	5 µm	300 m2/g	-

ProntoSIL ENVIRO-PHE

- For the analysis of phenols according to EPA-604/625

Ordering Information

Packing	P/N	Pore size	Particle size	Form	End capping
ProntoSIL 120-3-Enviro-PHE 125 x 4.6mm	1246F440PS030	120 Å	3 µm	Spherical	fully
ProntoSIL Guard Cartridges (5 each) *Cartridge Holder Required ,10x4.0mm	6301F440PS030	120 Å	3 µm	-	-

ProntoSIL ENVIRO-PTL

- For the analysis of aromatic hydrocarbons in petrochemical products

Ordering Information

Packing	P/N	Pore size	Particle size	Form	End capping
ProntoSIL 120-5-Enviro-PTL 250 x 4.6mm	2546C450P050	120 Å	5 µm	Spherical	-
ProntoSIL Guard Cartridges (5 each) *Cartridge Holder Required ,10x4.0mm	6302C450PS050	120 Å	5 µm	-	-

Application - 1

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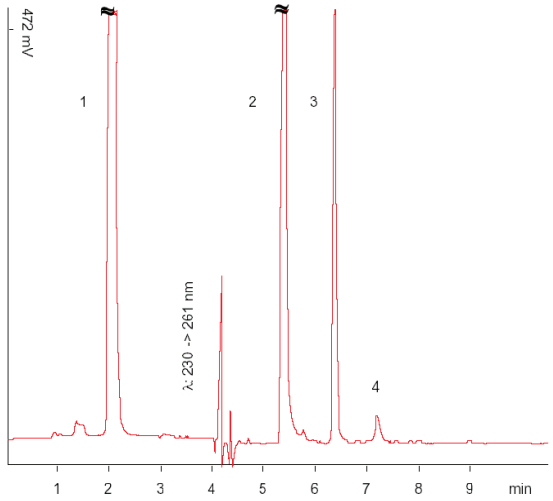
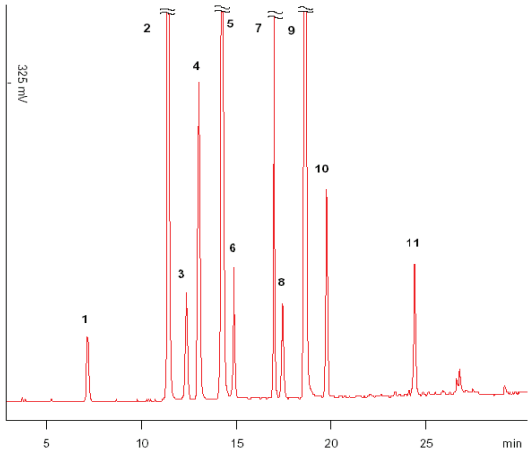
Cold medicine
ProntoSIL Eurobond C18 5 µm

Part number	1204F181PS050	Detection	UV 230nm, 0-240 s; UV 261nm, 240-720 s
Dimension	125 x 4.0 mm	Temperature	20 ℃
Eluent	A: 5mM Li_2SO_4 in H_2O4; pH 2.1 B:ACN/50mM H_3PO_4	Injection	3 µl
Gradient	0%B, 0-120 s; 0_12% B, 120-184 s; 12-17% B, 184-500 s; 17-39% B, 500-720 s	Sample	1 : Ascorbic acid 2 : Paracetamol 3 : Coffein 4 : Chlorphenamin
Flow	1 ml/min		



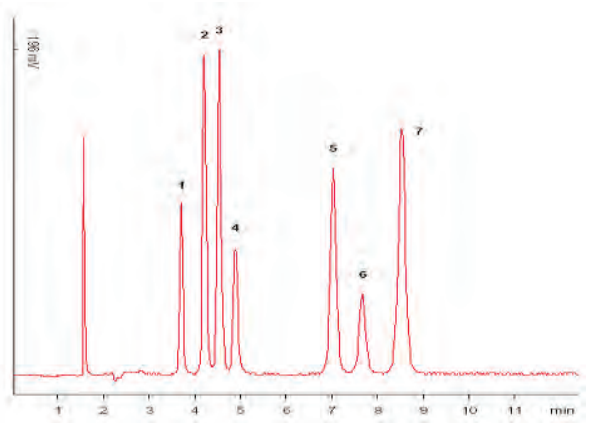
Phenol mixture EPA 604/625
ProntoSIL EnviroPHE

Part number	1246F440PS30	Sample	Supelco Calibration Standard (P/N: 4-8859) 1: Phenol 2: 4-Nitrophenol 3: 2.4-Dinitrophenol 4: 2-Chlorophenol 5: 2-Nitrophenol 6: 2.4-Dinmethylphenol 7: 4.6-Dinitro-o-Cresol 8: 2.4-Dichlorophenol 9: 4-Chloro-m-Cresol 10: 2.4.6-Trichlorophenol 11: Pentachlorophenol
Dimension	125 x 4.6 mm		
Eluent	A: H_2O/1% HAc B: MeOH/1% HAc		
Gradient	5-100% B, 0-30min		
Flow	1 ml/min		
Detection	UV 280 nm		
Temperature	25 ℃		
Injection	2 µl		



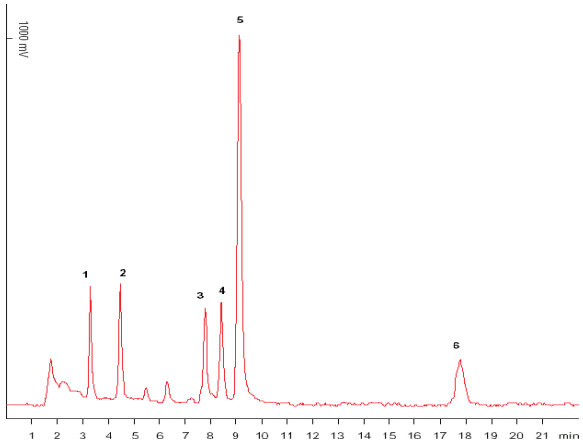
Tricyclic Antidepressants I
ProntoSIL 120-5-CN

Part number	2546F200PS050	Injection	5 µl
Dimension	250 x 4.6 mm	Concentration	50 ppm each
Eluent	A: 25mM K_2HPO_4 (pH 7.1) B: MeOH/ACN (15/65) 25% A, 75% B	Sample	1 : Trimipramine 2 : Doxepin 3 : Amitriptyline 4 : Imipramine 5 : Nortriptyline 6 : Desipramine 7 : Protriptyline
Flow	1 ml/min		
Detection	UV 254nm		
Temperature	40 ℃		



Fat soluble Vitamins II
ProntoSIL 120-3-C18 SH

Part number	2503F180PS030	Temperature	20 ℃
Dimension	250 x 3.0 mm	Injection	5 µl
Eluent	MeOH	Concentration	50-300 ppm each
Flow	1 ml/min	Sample	1 : Vitamin A 2 : Vitamin A acetate 3 : Vitamin D_2 4 : Vitamin D_3 5 : Vitamin E 6 : Vitamin K_1
Detection	Evap. Light Scattering Detector (DDL 31) PMT: 600, T: 33 ℃		

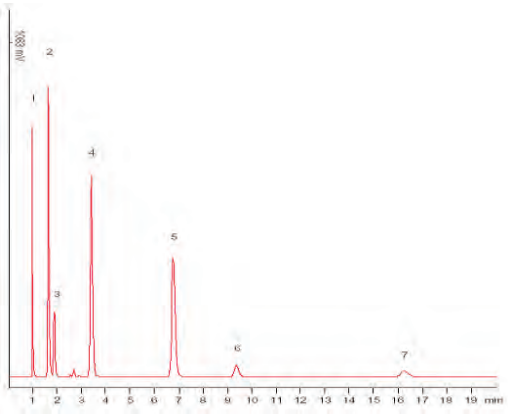


Engelhardt test for RP phases
ProntoSIL Eurobond C18 5 µm

Part number	1204F181PS050
Dimension	125 x 4 mm
Eluent	H_2O/MeOH 51/49 (w/w)
Flow	1 ml/min
Detection	UV 254nm
Temperature	40 ℃
Injection	5 µl

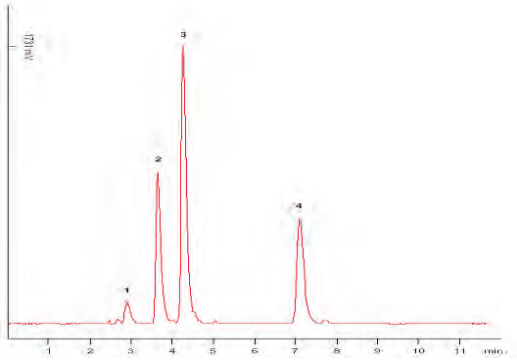
Sample

Nr.	Ret.(min)	TP	TP/m	Asym.	Name
1	0.96	-	-	-	Uracil
2	1.62	6756	54048	1.49	Aniline
3	1.84	7117	56937	1.33	Phenol
4	3.37	7433	59461	1.34	p-Ethylaniline
5	6.75	9450	75599	1.12	N.N-Dimethyl-aniline
6	9.33	10380	83037	1.13	Toluene
7	16.24	10357	82856	1.05	Ethylbenzene



Antirheumatic bath ingredient
ProntoSIL Eurobond C18 5 µm

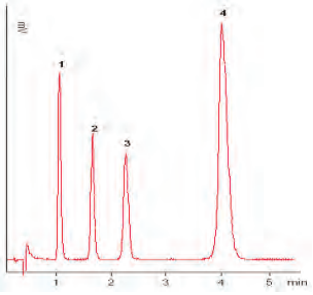
Part number	2504F181PS050
Dimension	250 x 4 mm
Eluent	H_2O/MeOH 30/70 (w/w). 0.1% acetic acid
Flow	0.9 ml/min
Detection	UV 254nm
Temperature	20 ℃
Injection	20 µl
Sample	1 : Camphor 2 : Nicotinic acid methyl easter 3 : Nicotinic acid benzyl easter 4 : Ethylenegly colmonosalicylate



High Speed Separation of Catecholamines

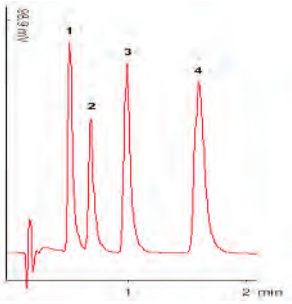
ProntoSIL 120-3-C18 AQ

Part number	0404F184PS030
Dimension	33 x 4 mm
Eluent	CAT-A-Phase
Flow	1.0 ml/min
Detection	Coulometric
Temperature	30 ℃
Injection	5 µl
Sample	1 : Norepinephrine 2 : Epinephrine 3 : Dihydroxybenzylamine 4 : Dopamine



ProntoSIL 120-3-C18 AQ

Part number	0203F184PS030
Dimension	25 x 3 mm
Eluent	ADAM-B-Phase
Flow	0.95 ml/min
Detection	Coulometric
Temperature	28 ℃
Injection	1 µl
Sample	1 : Norepinephrine 2 : Epinephrine 3 : Dihydroxybenzylamine 4 : Dopamine

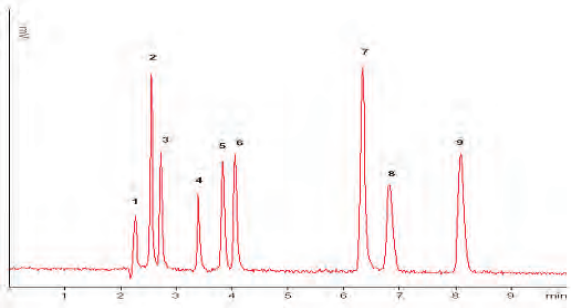


Organic Acids I
ProntoSIL 120-3-C18 AQ

Part number	2503F184PS030
Dimension	250 x 3.0 mm
Eluent	50 mM H_3PH_4
Flow	0.7 ml/min
Detection	UV 205nm
Temperature	22 ℃
Injection	5 µl

Sample

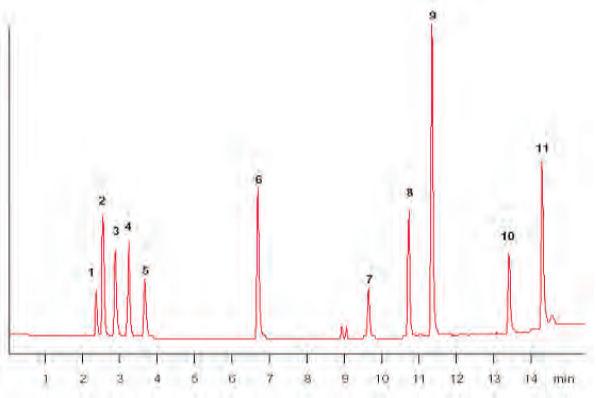
1 : Glutamic acid
2 : Oxalic acid
3 : Tartaric acid
4 : Malic acid
5 : Ascorbic acid
6 : Acetic acid
7 : Maleic acid
8 : Citric acid
9 : Fumaric acid



Organic Acids II
ProntoSIL 120-3-C18 AQ

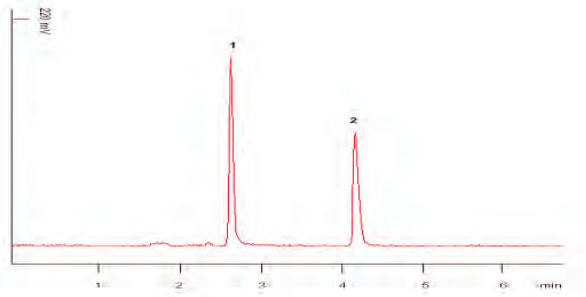
Part number	2003F184PS030
Dimension	300 x 3.0 mm
Eluent	A: H_2O/ 50 mM H_3PO_4 B: ACN/ 50mM H_3PO_4
Gradient	0-100% B, 0-20 min
Flow	0.6 ml/min
Detection	UV 215 nm
Temperature	25 ℃
Injection	5 µl

Sample	1 : Oxalic acid 2 : Tartaric acid 3 : Pyridine-4-carboxylic acid 4 : Pyridine-3-carboxylic acid 5 : Lactic Acid 6 : Citric Acid 7 : Pyridine-2,6-dicarboxylic acid 8 : 4-hydroxybenzoic acid 9 : 3-Hydroxybenzoic acid 10 : Benzoic acid 11 : 2-Hydroxybenzoic acid (= Salicylic acid)



Formic Acid / Acetic Acid
ProntoSIL 120-3-C18 AQ

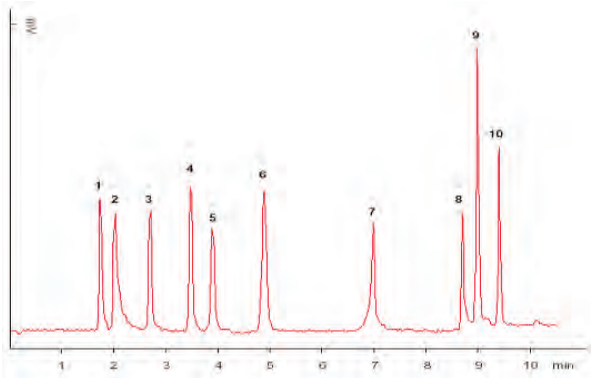
Part number	2503F184PS030
Dimension	250 x 3.0 mm
Eluent	100 mM H_3PO_4
Flow	0.7 ml/min
Detection	UV 202 nm
Temperature	22 ℃
Injection	5 µl
Sample	1 : Formic acid 2 : Acetic acid



Water soluble Vitamins
ProntoSIL 120-3-C18 AQ

Part number	2003F184PS030
Dimension	200 x 3.0 mm
Eluent	A: H_2O/ 50 mM H_3PO_4 B: ACN
Gradient	0% B, 0-180 s; 0-30% B, 181-400 s; 30% B, 401-790 s
Flow	0.7 ml/min
Detection	UV 230 nm
Temperature	22 ℃
Injection	5 µl

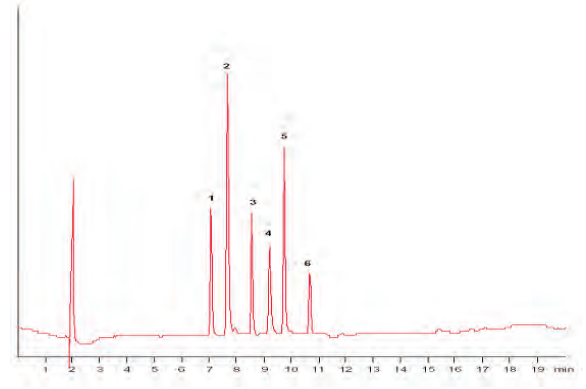
Sample	1 : Pyridoxamine 2 : Thiamine (Vit. B1)+impurity 3 : Ascorbic acid (Vit. C) 4 : Nicotinic acid (Niacin) 5 : Nicotinamide (Vit. B_3) 6 : Pyridoxal 7 : Pyridoxine (Vit.B_6)+impurity of Vit.B_{12} 8 : Folic acid 9 : Cyanocobalamin (Vit. B_{12}) 10 : Riboflavin (Vit. B_2)



Peptides I
ProntoSIL 300-5-C18 H

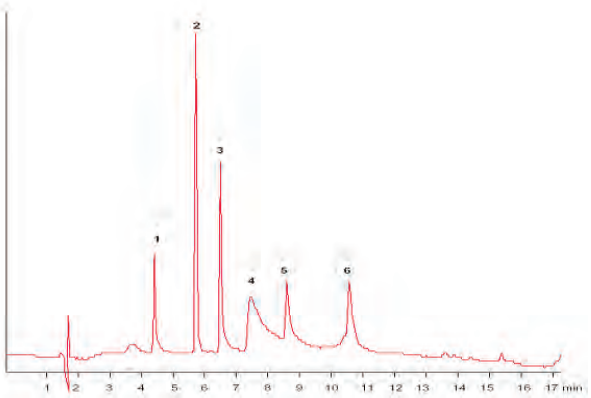
Part number	2546K185PS050
Dimension	250 x 4.6 mm
Eluent	A: H_2O/ 0.1% TFA B: ACN/ H_2O, 70/30 (v/v) 0.1%TFA
Gradient	20-100% B, 0-30 min
Flow	1.5ml/min
Detection	UV 220 nm

Temperature	30 ℃
Injection	5 µl
Sample	1 : Oxytocin 2 : Bradykinin 3 : Angiotensin II 4 : Eledoisin 5 : Neurotensin 6 : Angiotensin I



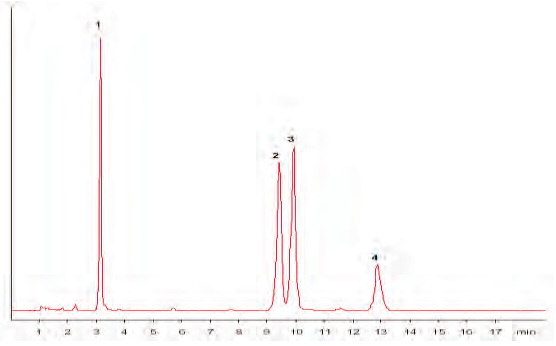
Proteins I
ProntoSIL 300-5-C18 H

Part number	2546K185PS050	Injection	5 µl
Dimension	250 x 4.6 mm	Sample	1 : Ribonuclease A 2 : Insulin, bovine 3 : Lysozyme 4 : BSA 5 : Myoglobin 6 : Ovalbumin
Eluent	A: H_2O/ 0.1% TFA B: ACN/ H_2O, 95/5 (v/v) 0.1% TFA		
Gradient	25-80% B, 0-17min		
Flow	1.5 ml/min		
Detection	UV 220 nm		
Temperature	30 °C		



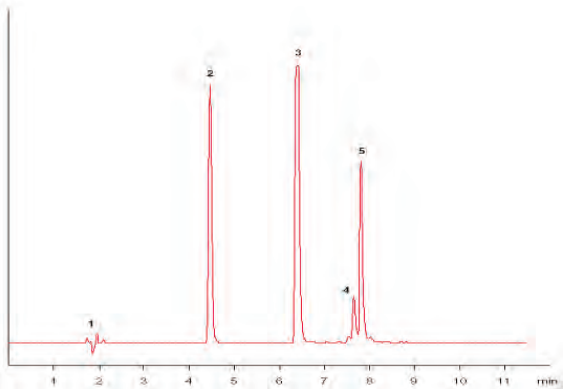
Fat soluble Vitamins I
ProntoSIL 120-3-C18 H

Part number	2003F185PS030	Sample	1 : Vitamin A 2 : Vitamin D2 3 : Vitamin D3 4 : α - Tocopherol
Dimension	200 x 3.0 mm		
Eluent	Acetonitrile		
Flow	1 ml/min		
Detection	UV 280 nm		
Temperature	30 °C		
Injection	5 µl		



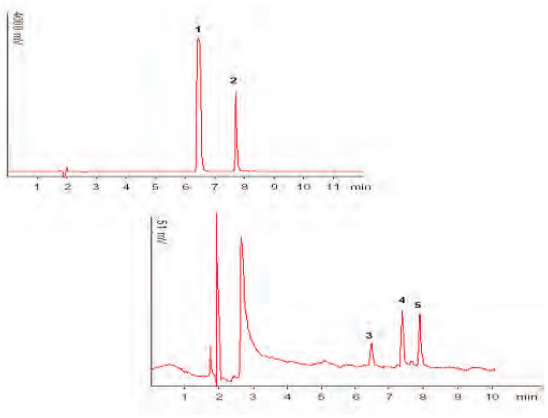
Insulin Derivatives I
ProntoSIL 300-5-C18 H

Part number	2546K185PS050	Temperature	30 °C
Dimension	250 x 4.6 mm	Injection	5 µl
Eluent	A: H_2O/ 0.1% TFA B: ACN/ H_2O, 95/5 (v/v) 0.1% TFA	Sample	1 : Protamine Sulfate 2 : Phenol 3 : Cresol 4 : Insulin H 5 : Protamine insulin
Gradient	25-80% B, 0-17min		
Flow	1.5 ml/min		
Detection	UV 220 nm		



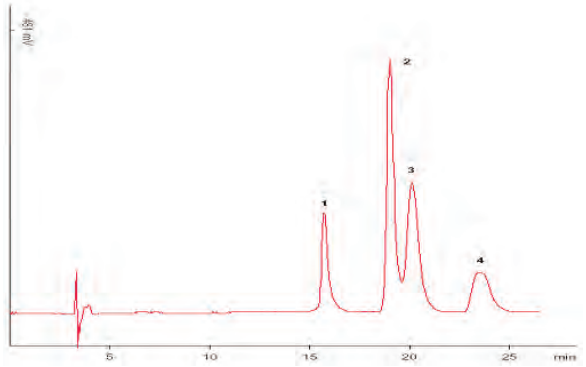
Insulin Derivatives II
ProntoSIL 300-5-C18 H

Part number	2546K185PS050	Temperature	30 °C
Dimension	250 x 4.6 mm	Injection	5 µl
Eluent	A: H_2O/ 0.1% TFA B: ACN/ H_2O, 95/5 (v/v) 0.1% TFA	Sample	1 : Cresol 2 : Insulin H 3 : Insulin Chain A, oxidized 4 : Insulin, bovine 5 : Insulin Chain B, oxidized
Gradient	25-80% B, 0-17min		
Flow	1.5 ml/min		
Detection	UV 220 nm		



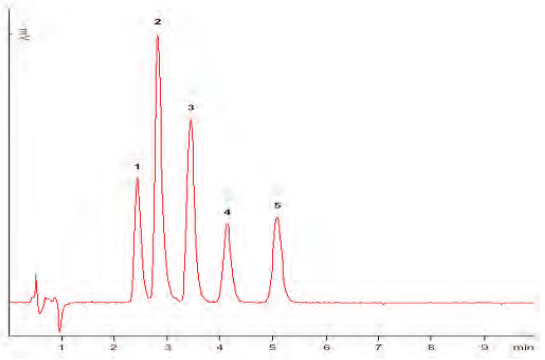
Isomers of Tocopherol (Vitamin E) ProntoSIL 200-3-C30

Part number	2546H300PS030	Sample	1 : δ - Tocopherol 2 : γ - Tocopherol 3 : β - Tocopherol 4 : α - Tocopherol
Dimension	250 x 4.6 mm		
Eluent	MeOH/H_2O, 96/4 (v/v)		
Flow	0.9 ml/min		
Detection	Coulometric		
Temperature	25 ℃		
Injection	5 µl		



Tricyclic Antidepressants II ProntoSIL 120-3-C18 AQ

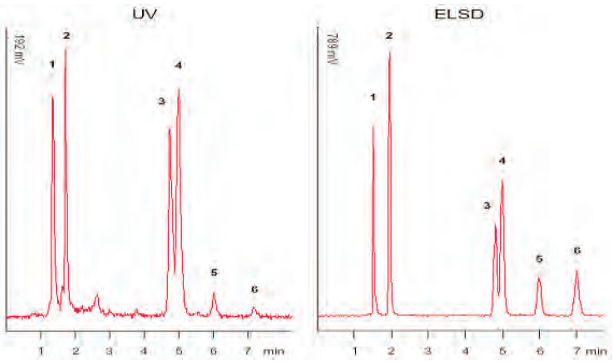
Part number	0604F184PS030	Temperature	20 ℃
Dimension	53 x 4.0 mm	Injection	5 µl
Eluent	ACN/MeOH/$NH_4H_2PO_4$ (10 mM), 62/13/23 (v/v), titration with TEA to pH 5	Sample	1 : Doxepin 2 : Imipramine 3 : Nortriptyline 4 : Amitriptyline 5 : Trimipramine
Flow	0.69 ml/min		
Detection	UV 254 nm		



Steroids - UV vs. Evaporative Light Scattering Detection (ELSD)

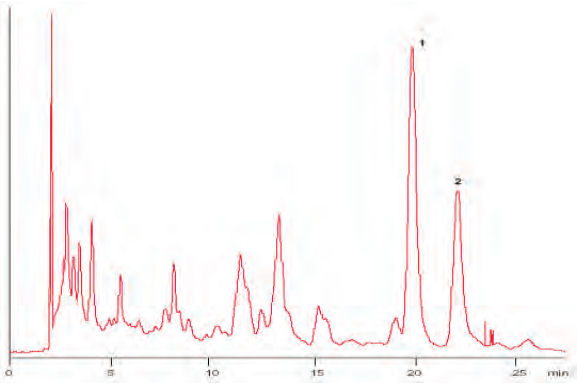
ProntoSIL 120-3-C18 H

Part number	2003F185PS030	Concentration	70 ppm each
Dimension	200 x 3 mm	Sample	1 : Hydrocortisone 2 : Progesterone 3 : Cholecalciferol 4 : Ergocalciferol 5 : Ergosterol 6 : Cholesterol
Eluent	MeOH		
Flow	0.65 ml/min		
Detection	a) UV 200 nm b) ELSD: PMT gain: 600. T: 40 ℃		
Temperature	30 ℃		
Injection	5 µl		



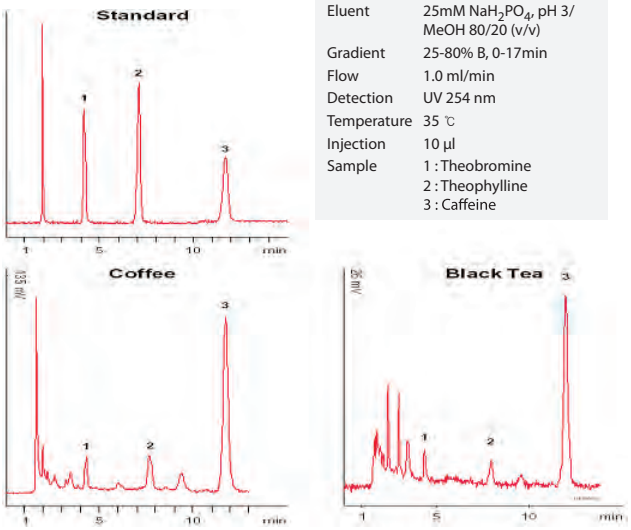
Carotenoids I ProntoSIL 200-3-C30

Part number	2546H300PS030	Sample	β- Carotene, technical mixture, isomerized 1 : all-trans 2 : 9-cis
Dimension	250 x 4.6 mm		
Eluent	MeOH/ TBME, 80/20 (v/v)		
Flow	1.4 ml/min		
Detection	VIS 450 nm		
Temperature	20 ℃		
Injection	5 µl		



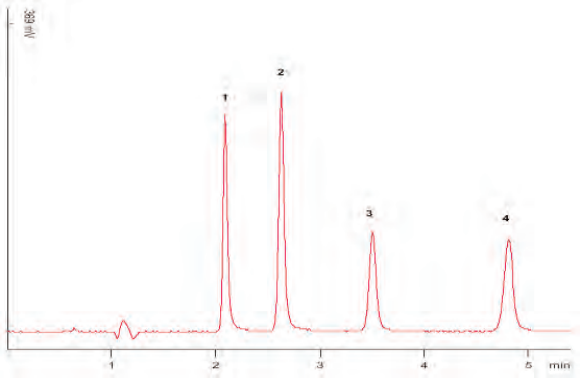
N-Methylated Xanthines
ProntoSIL 120-5-C18 AQ

Part number	1504F184PS050
Dimension	150 x 4.0 mm
Eluent	25mM NaH_2PO_4, pH 3/ MeOH 80/20 (v/v)
Gradient	25-80% B, 0-17min
Flow	1.0 ml/min
Detection	UV 254 nm
Temperature	35 ℃
Injection	10 µl
Sample	1 : Theobromine 2 : Theophylline 3 : Caffeine



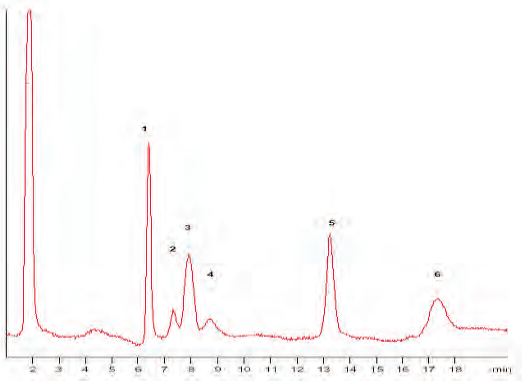
Parabens
ProntoSIL 120-3-PHENYL

Part number	1204F050PS030	Injection	10 µl
Dimension	125 x 4.0 mm	Sample	Parabens 1 : Methylparaben 2 : Ethylparaben 3 : Propylparaben 4 : Butylparaben
Eluent	20mM K2HPO4 / ACN, 50/50 (v/v)		
Flow	1.0 ml/min		
Detection	UV 254 nm		
Temperature	40 ℃		



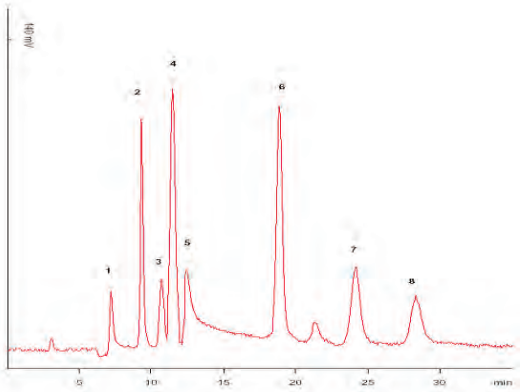
Carbohydrates I
ProntoSIL 120-3-NH_2

Part number	1246F190PS030	Sample	1 : Fructose 2 : Mannose 3 : Glucose 4 : Galactose 5 : Saccharose 6 : Maltose
Dimension	125 x 4.0 mm		
Eluent	H2O/ACN, 20/80 (v/v)		
Flow	1.0 ml/min		
Detection	RI		
Temperature	Ambient		
Injection	6 µl		



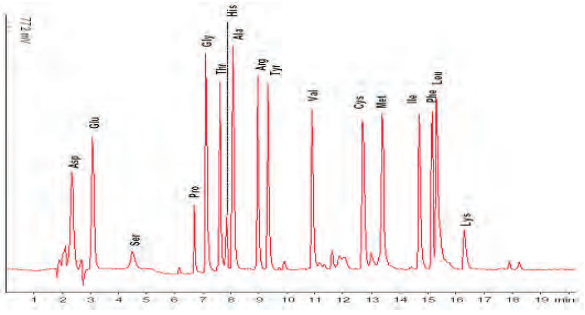
Carbohydrates II
Evaporative Light Scattering Detection
ProntoSIL 120-5-NH_2

Part number	1246F190PS030	Sample	1 : Fructose 2 : Mannose 3 : Glucose 4 : Galactose 5 : Saccharose 6 : Maltose
Dimension	125 x 4.0 mm		
Eluent	H2O/ACN, 20/80 (v/v)		
Flow	1.0 ml/min		
Detection	RI		
Temperature	Ambient		
Injection	6 µl		



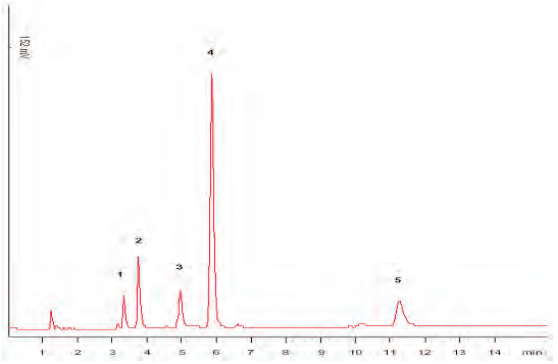
Amino Acids I
ProntoSIL 120-3-C18 H

Part number	2003F185PS030	Flow	0.6 ml/min
Dimension	200 x 3.0 mm	Detection	UV 340 nm
Eluent	A: 20 mM CH_3COONa in H_2O/ACN, 93/3 (v/v) B: 20 mM CH_3COONa in H_2O/ACN, 50/50 (v/v)	Temperature	30 °C
		Injection	1 µl
		Sample	SIGMA standard AA-s-18: OPA/ Mercapto-propionic acid labeled
Gradient	5-28% B, 0-144 s; 28-45% B, 145-560 s 45-82% B, 561-896 s 82-90% B, 897-1215 s		



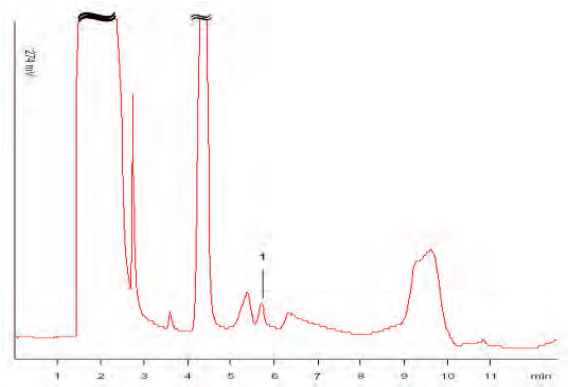
Weak Anions -
Ion Pair Chromatography
ProntoSIL 120-3-C8 SH

Part number	2003F080PS030	Injection	5 µl
Dimension	200 x 3.0 mm	Sample	1 : acetic acid 2 : lactic acid 3 : malic acid 4 : iodate 5 : citric acid
Eluent	10mM KH_2PO_4/10 mM TBA-H_3PO_4, pH 2.4		
Flow	0.6 ml/min		
Detection	UV 205 nm		
Temperature	25 °C		



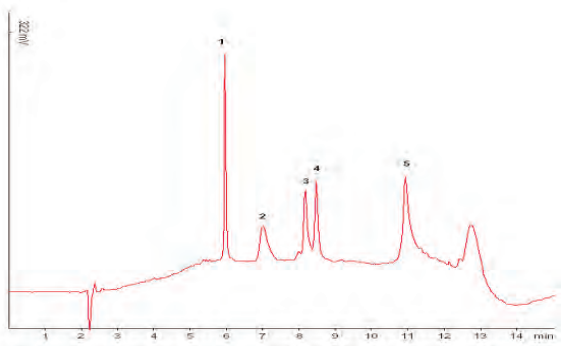
Iodate in Galvanic Bath
ProntoSIL 120-3-C18 SH

Part number	2546F180PS050	Injection	20 µl
Dimension	200 x 4.6 mm	Sample	Galvanic bath, technical 1 : iodate
Eluent	10mM KH_2PO_4/ 2 mM TBA-H_3PO_4, pH 1.95		
Flow	1 ml/min		
Detection	UV 196 nm		
Temperature	25 °C		



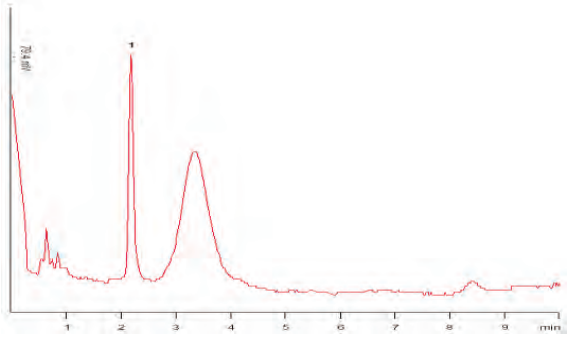
Proteins II
ProntoSIL 300-3-C4

Part number	2003K040PS030	Detection	UV 220 nm
Dimension	200 x 3.0 mm	Temperature	30 °C
Eluent	A: H_2O/0.1% TFA B: ACN/H2O, 95/5 (v/v) 0.1% TFA	Injection	5 µl
		Sample	1 : Cytochrome c 2 : Fibrinogen, human 3 : Chymotrypsinogen 4 : β-Lactoglobulin 5 : Thyroglobulin
Gradient	10-40% B, 0-218 s; 40-47% B, 219-512 s; 47-100% B, 513-612 s		
Flow	0.6 ml/min		



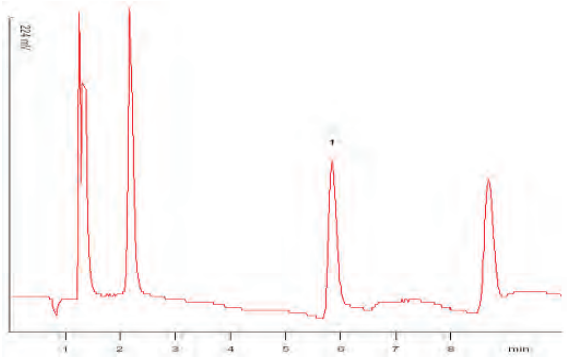
Peroxide
ProntoSIL 120-3-C18 H

Part number	0603F185PS030	Detection	Coulometric
Dimension	53 x 3.0 mm	Temperature	25 °C
Eluent	A: 35mM citric acid/ 85mM sodium acetate/ 0.5mM heptane sulphonate: pH 4.3 B: MeCH A/B: 99.7/0.3 (w/w)	Injection	5 µl
		Concentration	500 ppb
		Sample	1 : Perbenzoic acid t-butyl ester
Flow	0.5 ml/min		



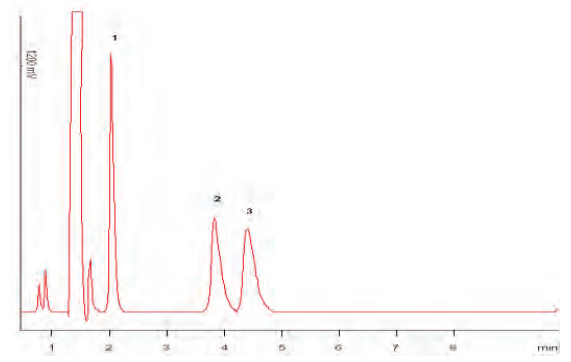
5-Aminolevulinic Acid
ProntoSIL 120-3-C18 H

Part number	1204F185PS030	Temperature	26 °C
Dimension	125 x 4.6 mm	Injection	10 µl
Eluent	H_2O/MeOH/THF , 90/6/4 (v/v) 0.5 mM octane sulphonic acid (sodium salt): pH 3.26	Concentration	100 ppb
		Sample	1 : 5-Aminolevulinic acid
Flow	1 ml/min		
Detection	**Conductivity; FS: 5 µS**		



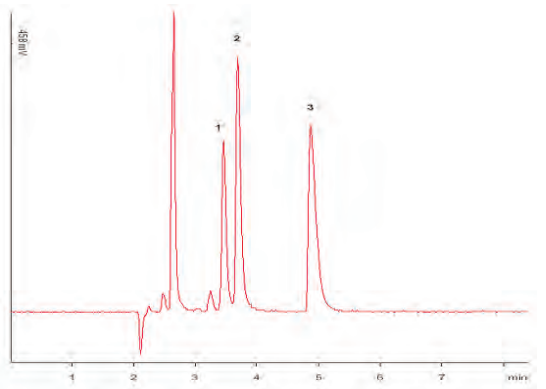
Alcohols I
ProntoSIL 120-5-C18 AQ

Part number	1546F184PS050	Injection	10 µl
Dimension	150 x 4.6 mm	Concentration	10 ppb each
Eluent	H_2O/MeOH, 96/4 (v/v) 0.8 mM Caps ; pH 2.5	Sample	1 : Ethanol 2 : Isopropanol 3 : n-Propanol
Flow	1.1 ml/min		
Detection	Indirect Conductivity ; **FS: 500 µS**		
Temperature	26 °C		



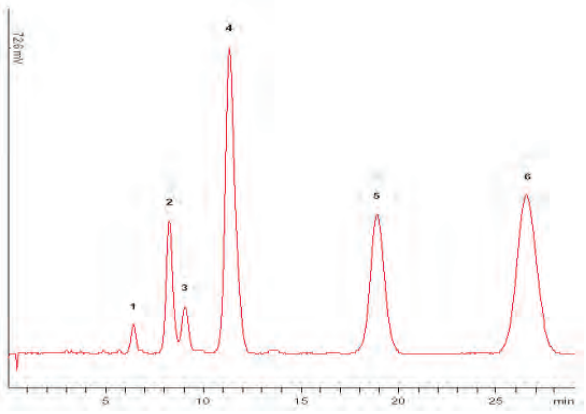
Dihydroxybenzoic Acids
ProntoSIL 120-3-CN

Part number	2003F200PS030	Temperature	20 °C
Dimension	200 x 3 mm	Injection	5 µl
Eluent	30mM Sodium acetate/ 30mM Sodium Citrate; pH 4.6 0.5 ml/min	Concentration	1.8 mMol each
		Sample	1 : 2.3-Dihydroxybenzoic Acid 2 : 2.5-Dihydroxybenzoic Acid 3 : Salicylic Acid (1.2-DHBA)
Flow	0.5 ml/min		
Detection	UV 220 nm		



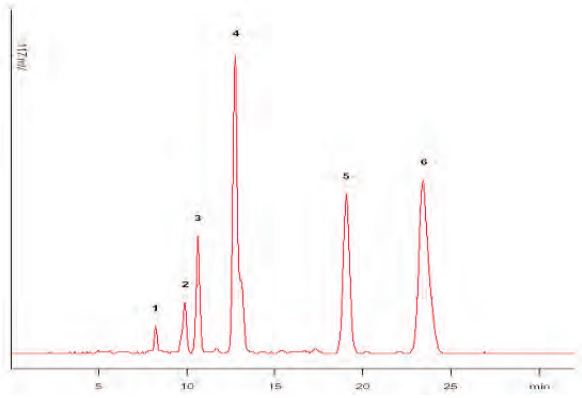
Bitter ingredients of hop I
ProntoSIL 120-5-C18 SH

Part number	0604F180PS050	Injection	10 µl
Dimension	53 x 4 mm	Sample	Hop CO_2-extract 1 : not identified 2 : Cohumulon 3 : Deoxyhumulon 4 : n-plus Adhumulon 5 : Colupulon 6 : n-plus Colupulon
Eluent	H2O/MeOH 25/75 (v/v) + 50 mM H_3PO_4		
Flow	1 ml/min		
Detection	UV 314 nm		
Temperature	21 °C		



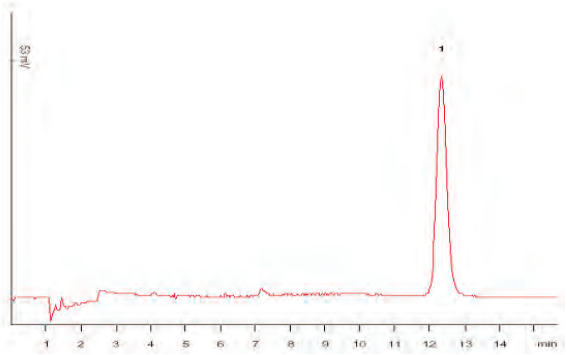
Bitter ingredients of hop II
ProntoSIL 120-5-C18 SH

Part number	2504F080PS050	Injection	10 µl
Dimension	250 x 4 mm	Sample	Hop CO_2-extract 1 : not identified 2 : Cohumulon 3 : Deoxyhumulon 4 : n-plus Adhumulon 5 : Colupulon 6 : n-plus Colupulon
Eluent	H2O/MeOH 20/80 (v/v) + 50 mM H_3PO_4		
Flow	1 ml/min		
Detection	UV 314 nm		
Temperature	21 °C		



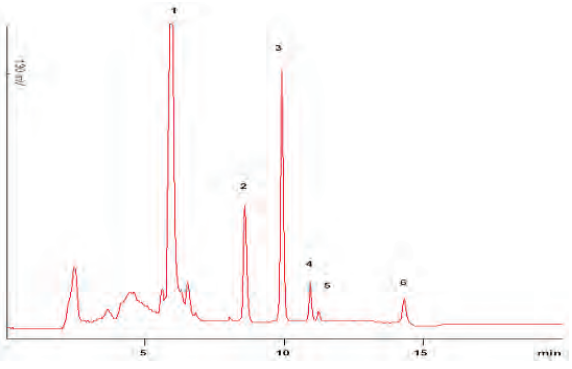
Melatonin
ProntoSIL 120-3-C18 H

Part number	1003F185PS030	Injection	10 µl
Dimension	100 x 3 mm	concentration	10 ppb
Eluent	ESA CAT-A Phase	Sample	1 : Melatronin
Flow	0.5 ml/min		
Detection	Coulometric		
Temperature	25 °C		



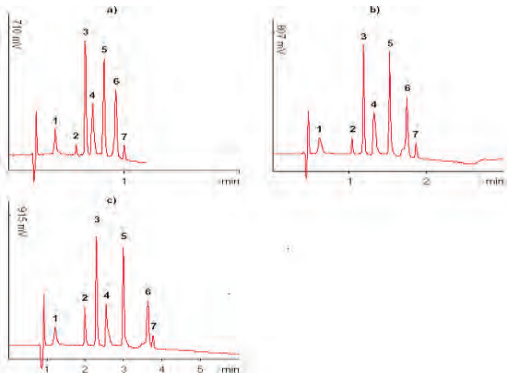
Aldehydes and Ketones I:
DNPH Derivatives in Galvanic BathPronto SIL 120-5-C18 H

Part number	2546F185PS050	Injection	50 µl
Dimension	250 x 4.6 mm	concentration	10 ppb
Eluent	A : H2O; B: ACN	Sample	1 : DNPH 2 : Formaldehyde 3 : Acetaldehyde 4 : Acetone 5 : Propanal 6 : Pentanal
Gradient	40% B, 0-60 s; 40-60% B, 61-390 s; 60-80% B, 391-480 s		
Flow	1 ml/min		
Detection	UV 360 nm		
Temperature	30 °C		



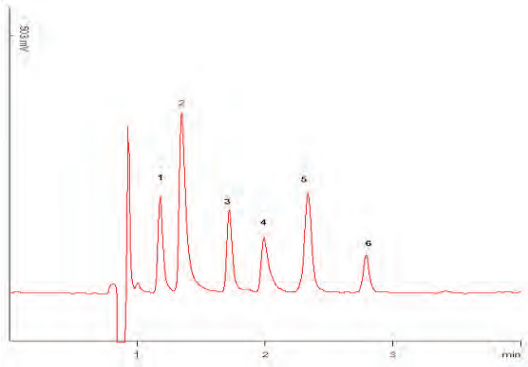
Fast Separation of Proteins
ProntoSIL 300-3-C18 H

Part number	0746K18PS030	Detection	UV 220 nm
Dimension	75 x 4.6 mm	Temperature	30 ℃
Eluent	A: H_2O/0.1% TFA B: ACN/ H_2O 95/5 (v/v)/0.1% FTA	Injection	5 µl
Gradient	a) 29-48% B, 0-25s; 48-100%B, 25-65 s b) 29-48% B, 0-49 s; 48-100% B, 49-130 s c) 29-100% B, 0-360 s	Sample	1: Ribouclease A 2: Insulin, bovine 3: Lysozyme 4: BSA 5: Myoglobin 6: Ovalbumin 7: not identified
Flow	a) 4ml/min; b) 2ml/min; c) 1ml/min		



Fast Separation of Peptides
ProntoSIL 300-3-C18 H

Part number	0746K185PS030	Temperature	30 ℃
Dimension	75 x 4.6 mm	Injection	5 µl
Eluent	A: H_2O/0.1% TFA B: ACN/ H_2O 70/30 (v/v), 0.1% FTA	Sample	1: Oxytocin 2: Bradykinin 3: Angiotensin I 4: Eledoisin 5: Neurotensin 6: Angiotension II
Gradient	35-80% B, 0-480 s		
Flow	1 ml/min		
Detection	UV 220 nm		

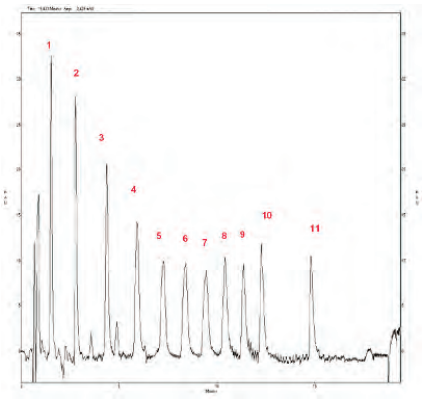


ProntoSIL HPLC Column Application - 2

Page

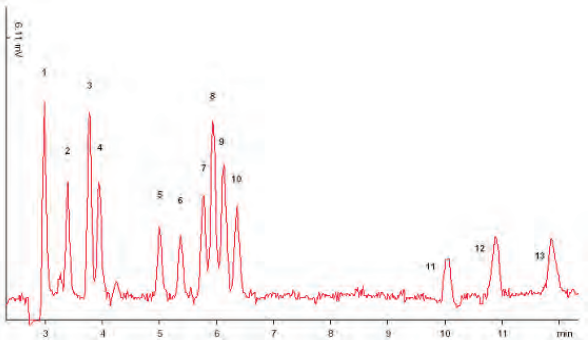
Ketones I
ProntoSIL 120-3-C18 AQ

Part number	0203F184PS030	Sample	1: Tetramethylketone 2: 2-Pentanone 3: 2-Hexanone 4: 2-Hexanone 5: 2-Octanone 6 2-Nonanone 7: 2-Decanone 8: 2-Undecanone 9: 2-Dodecanone 10: 2-Tridecanone 11: 2-Hexadecanone
Dimension	25 x 3 mm		
Eluent	A: H_2O B: ACN		
Gradient	10-100% B, 0-18 min		
Flow	0.35 ml/min		
Detection	UV 270 nm		
Temperature	30 ℃		
Injection	2 µl		



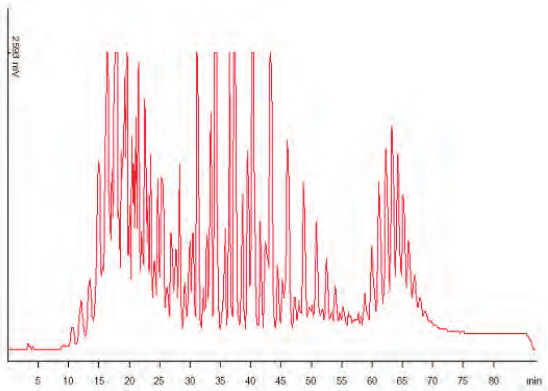
Organic Acids III
ProntoSIL 120-3-C18 AQ

Part number	3003F184PS030	Sample	1: oxalic acid 150 ppm 2: not identified 3: tartaric acid 150 ppm 4: quinic acid 5: malic acid 6: malonic acid 7: shikimic acid 8: lactic acid 9: ascorbic acid 10: acetic acid 11: citric acid 12: fumaric acid 13: succinic acid
Dimension	300 x 3 mm		
Eluent	5 mM Li2So4/ H2SO4 pH 2.81		
Flow	0.56 ml/min		
Detection	RI		
Temperature	20 ℃		
Injection	10 µl		
Concentration	300 ppm each, except 1,3		



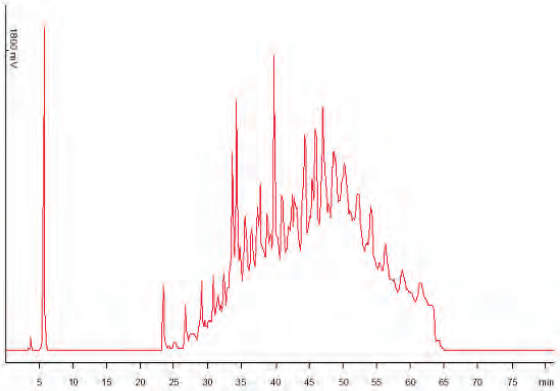
Coconat Fatty Acid Ethoxylates 10 EO
ProtoSIL 120-5-NH_2

Part number	2546F190PS050	Flow	1 ml/min
Dimension	250 x 4.6 mm	Detection	Evap. Light Scattering Detector (ELSD), model DDl 31; PMT: 300, T: 42 ℃, p(air): 1bar
Eluent	A: n-hexane B: acetone	Temperature	30 ℃
Gradient	3-20% B, 0-770 s; 20-38% B, 771-2600 s; 38-70% B, 2601-3600 s 70% B, 3600-4900 s	Injection	50 µl



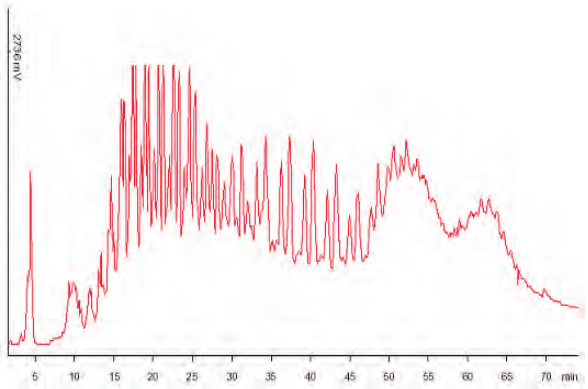
Castor oil Ethoxylates 20 EO
ProtoSIL 120-5-NH_2

Part number	2546F190PS050	Detection	Evap. Light Scattering Detector (ELSD), model DDl 31; PMT: 500, T: 42 ℃, p(air): 1bar
Dimension	250 x 4.6 mm	Temperature	30 ℃
Eluent	A: n-hexane B: acetone	Injection	50 µl
Gradient	0-5% B, 0-1200 s; 5-40% B, 2601-3600 s 40% B, 2601-3600 s		
Flow	1 ml/min		



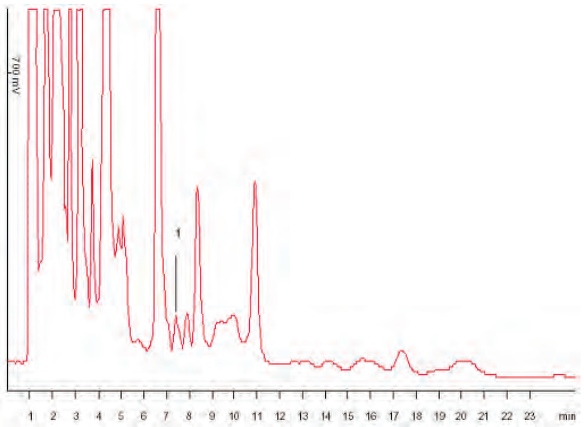
Soybean oil Ethoxylates 20 EO
ProtoSIL 120-5-NH_2

Part number	2546F190PS050	Flow	1 ml/min
Dimension	250 x 4.6 mm	Detection	Evap. Light Scattering Detector (ELSD), model DDI 31; PMT: 300, T: 42 ℃, p(air): 1bar
Eluent	A: n-hexane B: acetone		
Gradient	3-20% B, 0-770 s; 20-38% B, 771-2600 s; 38-70% B, 2601-3600 s 70% B, 2601-3600 s	Temperature	30 ℃
		Injection	50 µl



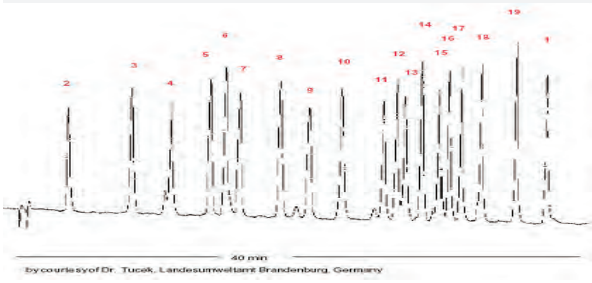
Calcium-DL-2-Hydroxy-4-methylthiobutyrate in Animal Food
ProtoSIL 120-5-NH_2

Part number	1003F185PS030	Flow	0.55 ml/min
Dimension	100 x 3 mm	Detection	Coulometric
Eluent	A: 75 mM NaH2PO4/ 0.2 mM heptanesulfonic acid (sodium salt), pH 2.9 B: ACN; A/B 98/2 (v/v)	Temperature	25 ℃
		Injection	10 µl



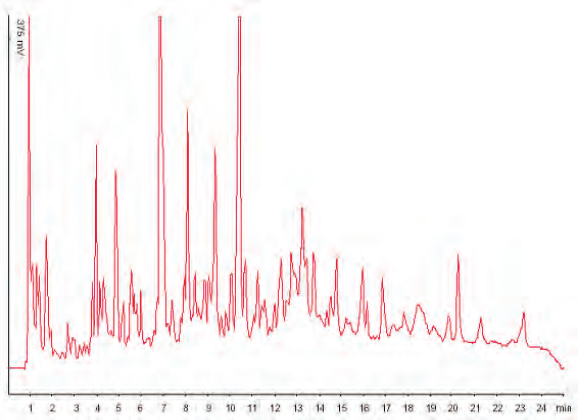
Aldehydes and Ketones as DNPH Derivatives
ProntoSIL 120-5-C18 H

Part number	2504F185PS050	Sample	1: Nonanal (internal standard) 2: 2,4-Dinitrophenylhydrazine 3: Formaldehyde 4: Acetalderhyde 5: Acetone 6: Acrolein 7: Propanal 8: Crotonic Aldehyde 9: n-Butanal 10: Benzaldehyde 11: Pentanal 12: 2-Methylbenzaldehyde 13: 4-Methylbenzaldehyde 14: 3,3-Dimethylbutanone 15: Hexanal 16: 2,4-Dimethylbenzaldehyde 17: 2,4-dimethylpentanone 18: Heptanal 19: Octanal
Dimension	250 x 4.0 mm		
Eluent/Gradient (final compositions of linear steps are given (v/v/v ratios)): 0-5 min isocratic: THE/ACN/H_2O (16/25/59) 10 min. The/ACN/H_2O (10/40/50) 20 min. The/ACN/H_2O (0/60/40) 30 min. The/ACN/H_2O (0/80/20) 40 min. The/ACN/H_2O (0/100/0) 45 min. The/ACN/H_2O (16/25/59)			
Flow	1.3 ml/min		
Detection	UV 360 nm		
Temperature	30 ℃		
Injection	10 µl		



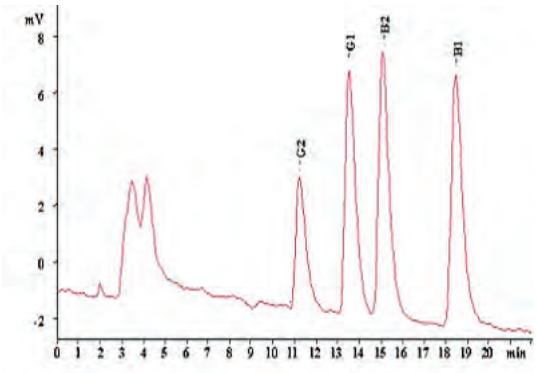
Tryptic digest of Casein Peptone
ProntoSIL 120-3-C18 AQ

Part number	0746K180PS030	Flow	1 ml/min
Dimension	75 x 4.6 mm	Detection	UV 220 nm
Eluent	A: H_2O/0.1% TFA B: ACN/ H_2O 70/30 (v/v), 0.1% TFA	Temperature	30 ℃
		Injection	5 µl
Gradient	0-40% B, 0-1400 s 40-0% B, 1401-1481 s	Sample	Tryptic digest of casein peptone



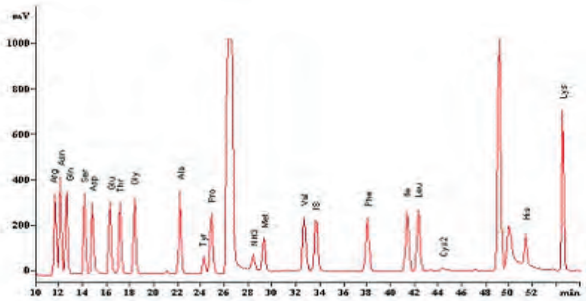
Aflatoxines with KBr Derivatization
ProntoSIL 120-5-C18 AQ

Part number	2546F184PS050	Temperature	30 ℃
Dimension	250 x 4.6 mm	Injection	5 µl
Eluent	ACN/MeOH/H2O 20/20/60 (v/v/v)	Sample	Aflatoxin-Standard G2: 60 fg/ml G1: 100 fg/ml B2: 50 fg/ml B1: 90 fg/ml Injection: 100 µl
Flow	1.0 ml/min		
Detection	Fluorescence Detector Model 8470 Ex: 365nm Em:429nm		



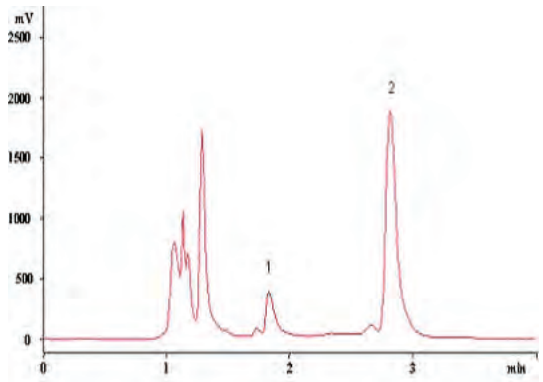
Amino Acids with FMOC
ProntoSIL-AA-FMOC 5.0µm

Part number	2504F470PS050	Detection	Fluorescence Ex: 263 nm Em: 313 nm
Dimension	250 x 4.0 mm	Temperature	30 ℃
Eluent	A:50mM CH_3COONa pH4.2,5%THF B: ACN	Injection	10 µl
Flow	1.0 ml/min	Sample	SIGMA standard AA-S-18 + Asn, Gln, IS (ß-tAla) FMOC labeled
Gradient	20-36% B, 0-20 min 36-38% B, 20-28 min 38% B, 28-34 min 38-59% B, 34-51 min 59-67% B, 51-56 min		



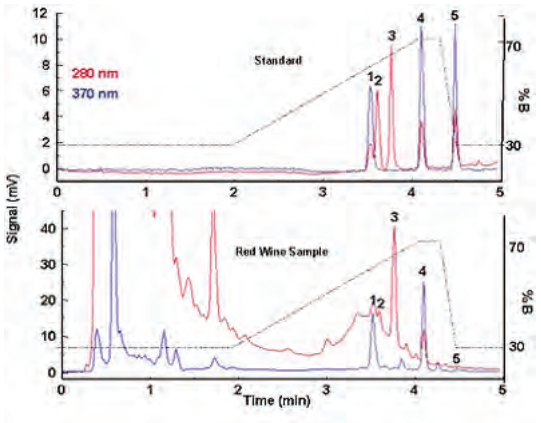
Chinin and Saccharin in Beverages
ProntoSIL-120-5-C18 H 5.0 µm

Part number	1204F185PS050	Temperature	25 ℃
Dimension	125 x 4.0 mm	Injection	20 µl
Eluent	MeOH/H_2O 70/30 (v/v) + 5ml/l H3PO4	Sample	Bitter Lemon Light 1: Quinine 2: Saccharin
Flow	1.0 ml/min		
Detection	UV 210 nm		



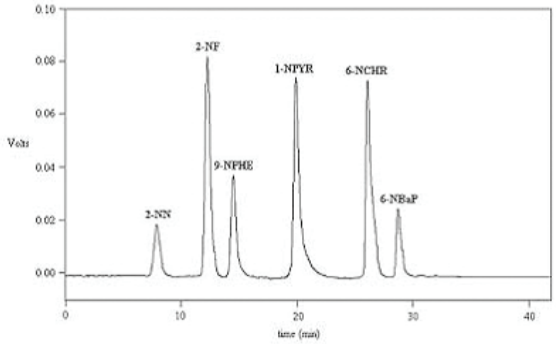
Flavonoids in Red Wine
ProntoSIL 120-5-C8 ace-EPS 5.0µm

Part number	1204F08APS050	Detection	UV 280 nm (Stilbenes) 370 nm (Flavonoides)
Dimension	125 x 4.0 mm	Temperature	40 ℃
Eluent	A: 10 mM NaH_2PO_4 pH 3.0 B:ACN	Injection	25 µl
Flow	2.5 ml/min	Sample	Red Wine 1: Myrcetin 2: cis- Resveratrol 3: trans- Resveratrol 4: Quercetin 5: Caempferol
Gradient	Gradient: 30% B, 0-2 min 30-70% B, 2-4 min 70% B, 4-4.4 min 70-30% B, 4.4-4.5min 30% B, 4.5-5.5min		



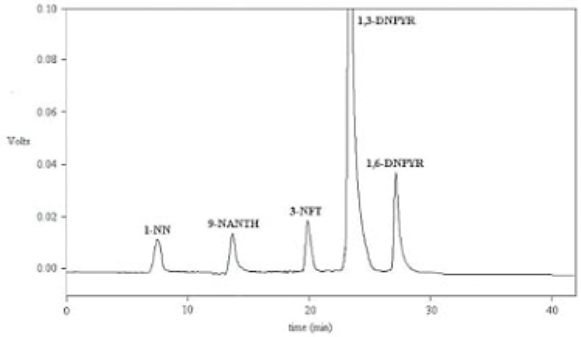
Analysis of Nitro-PAH with Fluorescence Detection (I)
ProntoSIL 120-3-Phenyl

Part number	1204F050PS030	Temperature	25 ℃
Dimension	125 x 4.0 mm	Injection	20 µl
Eluent	A: MeOH/H_2O 60/40 (v/v) B: MeOH 0 % B hold for 13 min, 0 – 100 % B in 29 min	Sample	Nitro-PAH Mix1
Flow	0.8 ml/min		
Detection	Fluorescence Detector Model 8470 wavelength program		



Analysis of Nitro-PAH with Fluorescence Detection (II)
ProntoSIL 120-3-Phenyl

Part number	1204F050PS030	Temperature	25 ℃
Dimension	125 x 4.0 mm	Injection	20 µl
Eluent	A: MeOH/H_2O 60/40 (v/v) B: MeOH 0 % B hold for 13 min, 0 – 100 % B in 29 min	Sample	Nitro-PAH Mix2
Flow	0.8 ml/min		
Detection	Fluorescence Detector Model 8470 wavelength program		



ProntoSIL HPLC Column Application - 3

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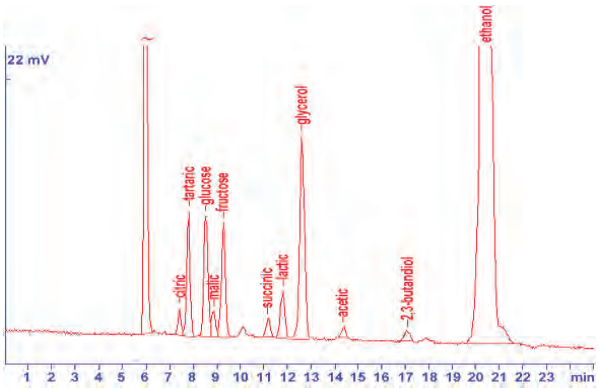
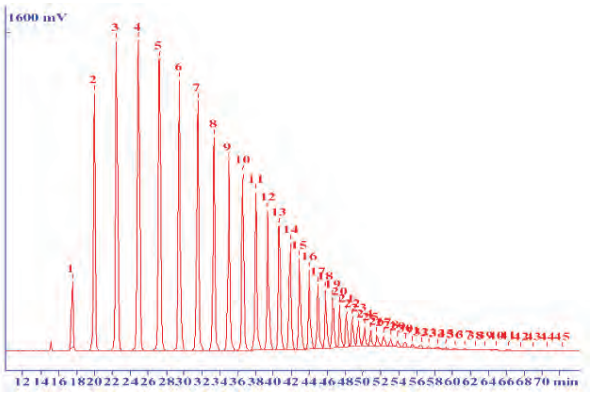
Carbohydrates, Organic Acids and Alcohols in Wine
Carbohydrate H+

Part number	00253776
Dimension	300 x 7.8 mm
Eluent	1.25 mM H_2SO_4
Flow	0.6 ml/min
Detection	RI
Temperature	45 °C
Injection	50 µl
Sample	Wine Complett Standard



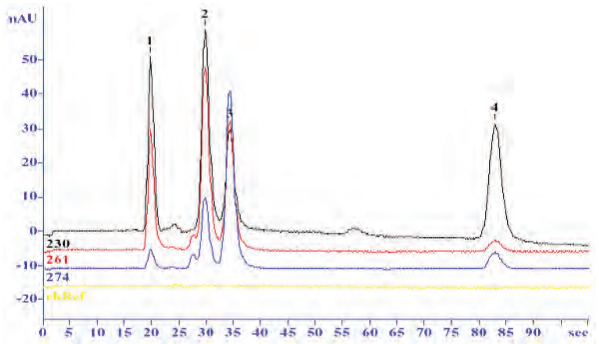
Dimethylsiloxane with Evaporative Light Scattering Detection
ProntoSIL 120-5-C18 SH

Part number	2546F180PS050
Dimension	250 x 4.6 mm
Eluent	A: ACN/Acetone 70/30 (v/v) B: Ethyl acetate 5-70% B in 50 min, 70% B hold for 15 min
Flow	0.9 ml/min
Detection	Evap. Light Scattering detector (DDL31) PMT: 500, Temp: 40 °C Pressure (air): 1.5 bar
Temperature	25 °C
Sample	Silicone-Standard (DMS-T11) Injection: 10 µl



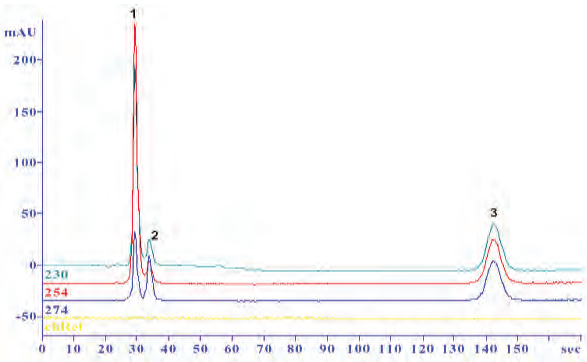
Fast Analysis of a pharmaceutical Teststandard with Multiwavelength Detection
ProntoSIL-120-5-C18 AQ

Part number	0446F184PS050
Dimension	33 x 4.6 mm
Eluent	A: H_2O + 0.1% TFA; B:ACN
Gradient	20-30% B in 60 sec
Flow	1.2 ml/min
Detection	Multiwavelength Detector (DAD-3L)
Wavelength	230, 261 and 274 nm; Ref. at 350nm
Temperature	25 °C
Injection	1 µl
Sample	1 Ascorbinic acid 2 Paracetamol 3 Caffeine 4 Acetylsalicylic acid



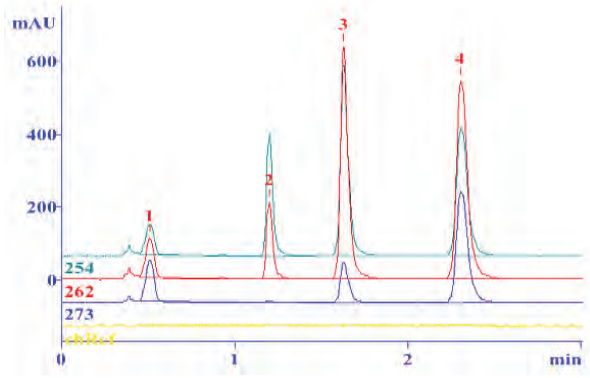
Fast Analysis of a Cold Medicine II with Multiwavelength Detection
ProntoSIL-120-5-C18 AQ

Part number	0446F184PS050
Dimension	33 x 4.6 mm
Eluent	A: H_2O + 0.1% TFA; B:ACN
Gradient	20-30% B in 30 sec
Flow	1.2 ml/min
Detection	Multiwavelength Detector (DAD-3L)
Wavelength	230, 254 and 274 nm; Ref. at 350nm
Temperature	25 °C
Injection	1 µl
Sample	1 Paracetamol 3 Caffeine 4 Propylphenanzone



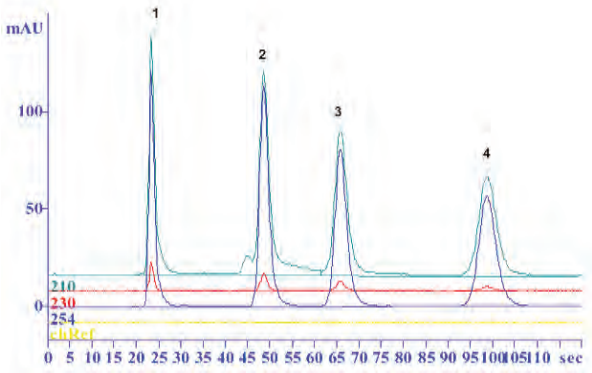
Standardtestmixture with Multiwavelength Detection
ProntoSIL 120-3-C18 SH

Part number	0604F180PS030	Temperature	25 °C
Dimension	53 x 4.0 mm	Injection	1 µl
Eluent	H2O/ ACN; 40/60	Sample	1 Acetone 2 Benzene 3 Toluene 4 m-Xylene
Flow	1.0 ml/min		
Detection	Multiwavelength Detector (DAD-3L)		
Wavelengthe	254, 262 and 273 nm Ref. at 350nm		



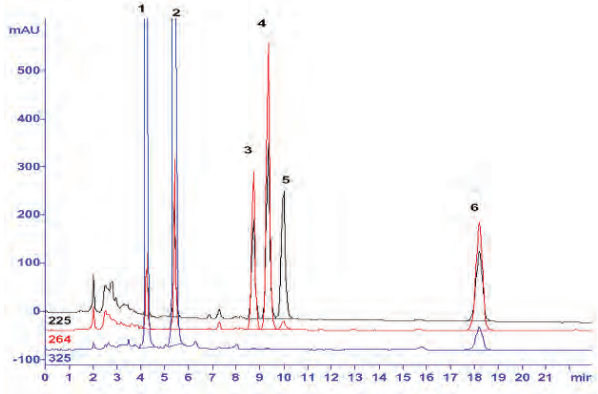
Fast Analysis of Parabens II with Multiwavelength Detection
ProntoSIL 120-5-C18 AQ

Part number	0446F184PS050	Wavelengthe	210, 230 and 254 nm Ref. at 350 nm
Dimension	33 x 4.6 mm	Temperature	25 °C
Eluent	A: H2O B: ACN	Injection	2 µl
Gradient	20-30% B in 30 sec	Sample	1 Uracil 2 Methylparabene 3 Ethylparabene 4 Propylparabene
Flow	1.0 ml/min		
Detection	Multiwavelength Detector (DAD-3L)		



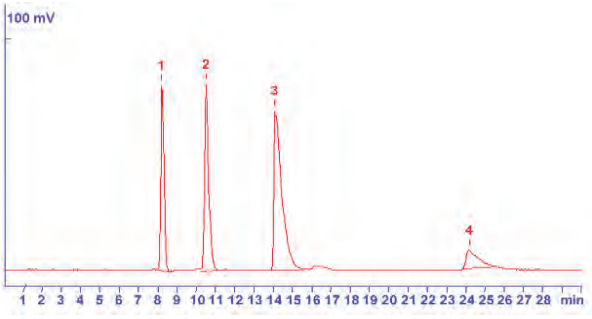
Fat soluble Vitamins II with Multiwavelength Detection
ProntoSIL 120-3-C18 SH

Part number	2503F180PS030	Injection	5 µl
Dimension	250 x 3.0 mm	Sample	1: Vitamin A 2: Vitamin A acetate 3: Vitamin D_2 4: Vitamin D_3 5: Vitamin E 6: Vitamin K_1
Eluent	MeOH		
Flow	1 ml/min		
Detection	Multiwavelength Detector (DAD-3L)		
Wavelengthe	225, 264, 325 nm		
Temperature	25 °C		



Aromatic Hydrocarbons according to prEN 12916
ProntoSIL ENVIRO PTL

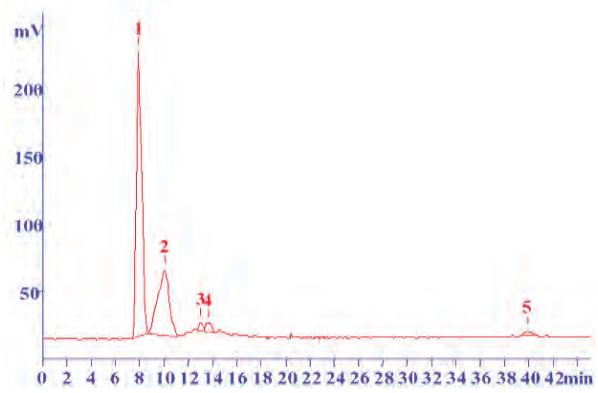
Part number	2546C450PS050	Sample	Calibration Standard B - EUOPEAN STANDARD prEN 12916 (June 1997) 1: Cyclohexane (2.0g/100ml) 2: o-Xylene (1.0g/100ml) 3: 1-Methylnaphthalene (1.0g/100ml) 4: Phenanthrene (0.2g/100ml) 7. 22 between Cyclohexane and o- Xylene (the resolution between Cyclohexane and o-Xylene should not be less thean 5.0)
Dimension	250 x 4.6 mm		
Eluent	Heptane		
Flow	1.0 ml/min		
Backflush on	16 min		
Detection	RI		
Temperature	25 °C		
Injection	10 µl		



Diesel
ProntoSIL ENVIRO PTL

Part number	2546C450PS050
Dimension	250 x 4.6 mm
Eluent	Heptane
Flow	1.0 ml/min
backflush on	20 min
Detection	RI
Temperature	25 ℃
Injection	10 µl

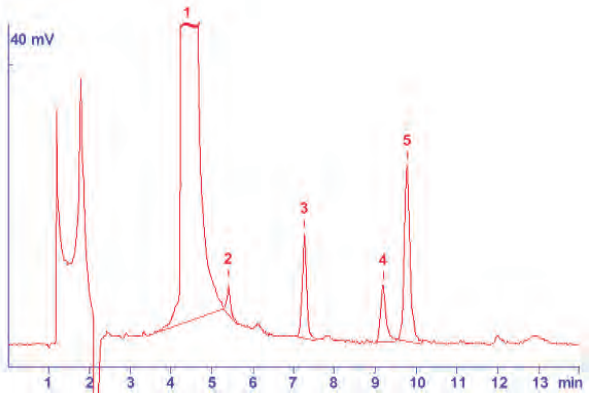
Sample
1: Cyclohexane
2: Monocycl. Aromatics
3: Dicycl. Aromatics
4: Dicycl. Aromatics
5: Polycycl. Aromatics



Acetaldehyde in Mineralwater
ProntoSIL 120-3-C18 ACE- EPS

Part number	1504F18APS030
Dimension	150 x 4.0 mm
Eluent	H2O/ ACN 50/50 (v/v)
Flow	1.0 ml/min
Detection	UV 360 nm
Temperature	25 ℃
Injection	500 µl

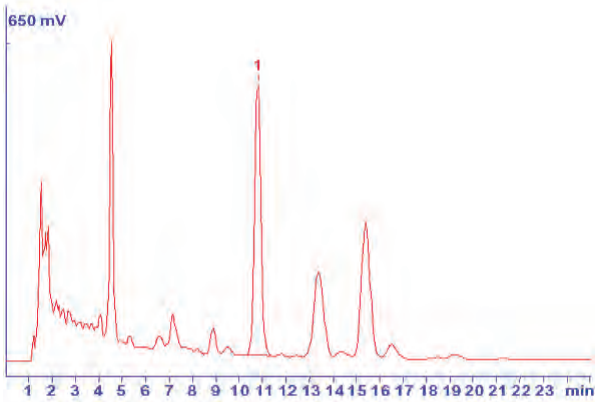
Sample
Mineralwater after Derivatisation with DNPH
1 DNPH
5 Acetaldehyde. 6ppb



Ergosterol in Grass
ProntoSIL 120-5-C18 H

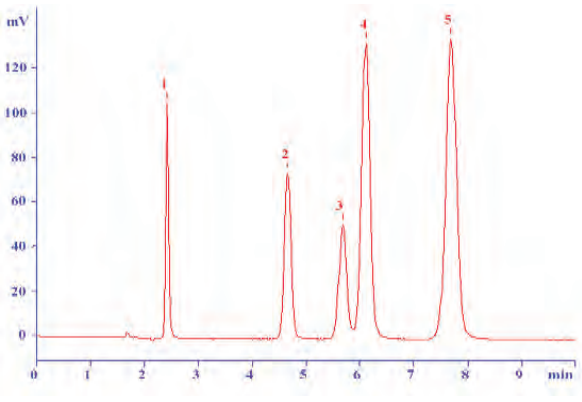
Part number	1204F185PS050
Dimension	125 x 4.0 mm
Eluent	H2O/MeOH 2/98 (v/v)
Flow	0.75 ml/min
Detection	UV 282 nm
Temperature	25 ℃
Injection	20 µl

Sample
1 Ergosterol
Extracted according to VDLUFA (1993)



Sulfa Drugs
ProntoSIL 120-5-C18 ACE - EPS

Part number	1546F18APS050
Dimension	150 x 4.6 mm
Eluent	MeOH/H2O/Acetic Acid 20/79/1 (v/v/v)
Flow	1 ml/min
Detection	UV 254 nm
Temperature	25 ℃
Injection	3 µl
Sample	1 Sulfanilamide 2 Sulfadiazine 3 Sulfathiazole 4 Sulfamerazine 5 Sulfamethazine



ProntoSIL HPLC Column Application - 4

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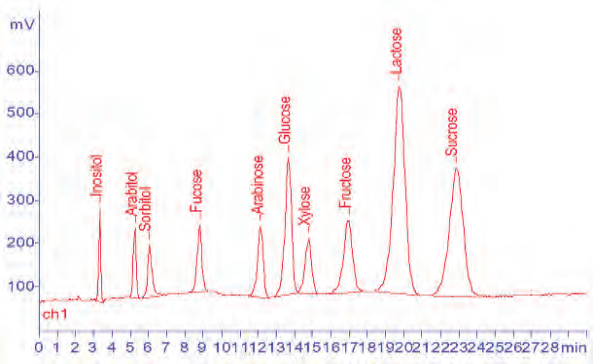
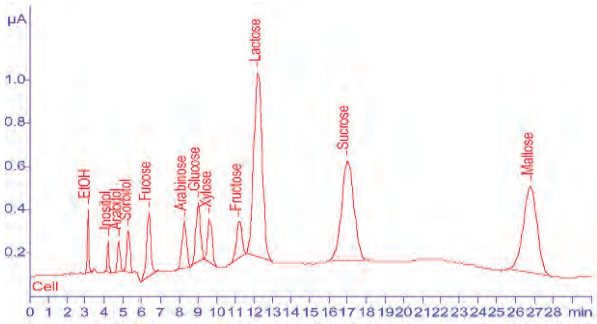
Sugaralchols, Mono-and Disaccharides with BioQuant Carbohydrate

Column	Sugar1	Sample	1 Inositol
Dimension	250 x 4.6 mm PEEK		2 Arabitol
Eluent	100mM NaOH		3 Sorbitol
Flow	0.9 ml/min		4 Fucose
Detection	BioQuant Carbohydrate		5 Arabinose
Temperature	28 ℃		6 Glucose
Injection	20 µl		7 Xylose
			8 Fructose
			9 Lactose
			10 Sucrose (1-50 mg/l)



Alcohol, Sugaralcohols, Mono-and Disaccharides with BioQuant Carbohydrate

Column	Sugar1	Sample	1 Ethanol
Dimension	250 x 4.6 mm PEEK		2 Inositol
Eluent	A: 96mM NaOH		3 Arabitol
	B: 96mM NaOH, 250 mM NaOAc		4 Sorbitol
Gradient	5%-10%B 0-15min; 10-25%B 15-20 min		5 Fucose
			6 Arabinose
Flow	1 ml/min		7 Glucose
Detection	BioQuant Carbohydrate		8 Xylose
Temperature	28 ℃		9 Fructose
Injection	20 µl		10 Lactose
			11 Sucrose
			12 Maltose (0.5-25 mg/l)

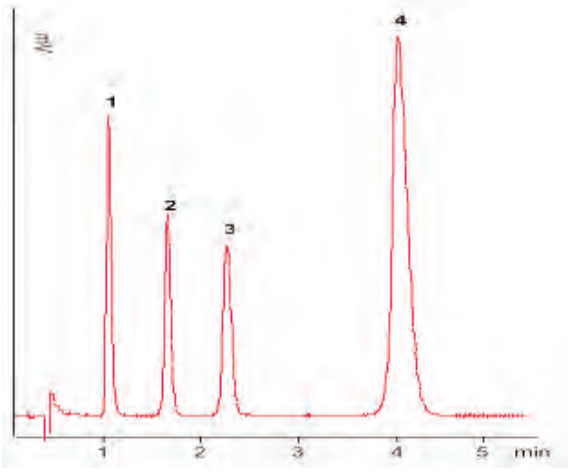


ProntoSIL HPLC Column Application - 5

• High Speed Separation of Catecholamines

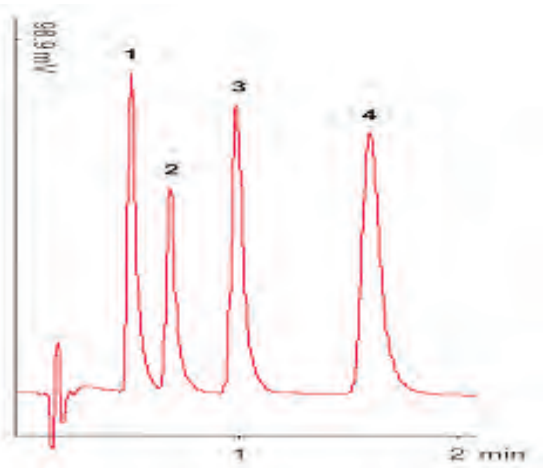
High Speed Separation of Catecholamines ProntoSIL 120-3-C18 AQ

Part number	0404F184PS030	Sample	1: Norepinephrine 2: Epinephrine 3: Dihydroxybenzylamine 4: Dopamine
Dimension	33 x 4 mm		
Eluent	CAT-A-Phase		
Flow	1.0 ml/min		
Detection	Coulometric		
Temperature	30 ℃		
Injection	3 µl		



High Speed Separation of Catecholamines ProntoSIL 120-3-C18 AQ

Part number	0203F184PS030	Sample	1: Norepinephrine 2: Epinephrine 3: Dihydroxybenzylamine 4: Dopamine
Dimension	25 x 3 mm		
Eluent	ADAM-B-Phase		
Flow	0.95 ml/min		
Detection	Coulometric		
Temperature	28 ℃		
Injection	1 µl		

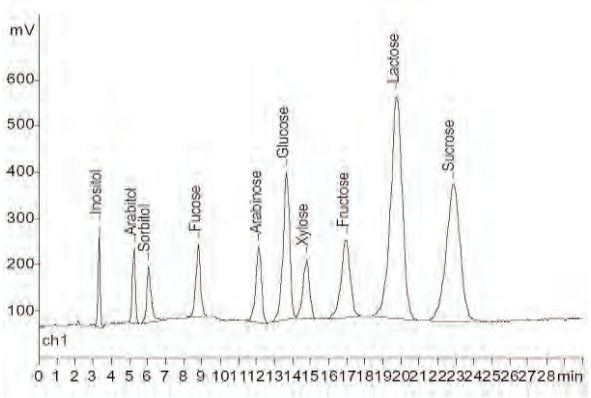


ProntoSIL HPLC Column Application - 6

Page

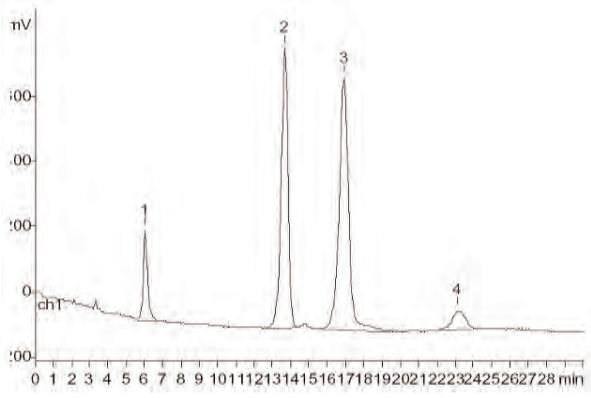
Sugaralcohols, Mono-and Disaccharides with BioQuant Carbohydrate

Column	PAD Column	Sample	1 Inositol
Dimension	250 x 4.6 mm PEEK		2 Arabitol
Eluent	100mM NaOH		3 Sorbitol
Flow	0.9 ml/min		4 Fucose
Detection	BioQuant Carbohydrate		5 Arabinose
Temperature	28 ℃		6 Glucose
Injection	20 µl		7 Xylose
			8 Fructose
			9 Lactose
			10 Sucrose (1-50mg/l)



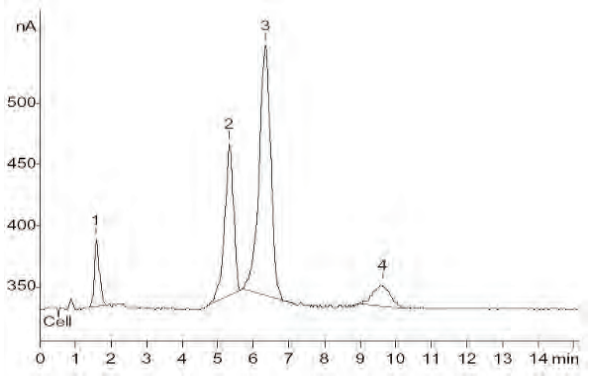
Sugars in Applejuice with BioQuant Carbohydrate

Column	PAD Column	Sample	1 Sorbitol
Dimension	250 x 4.6 mm PEEK		2 Glucose
Eluent	100 mM NaOH		3 Fructose
Flow	0.9 ml/min		4 Sucrose
Detection	BioQuant carbohydrate		
Temperature	28 ℃		
Injection	20 µl (diluted 1: 1000)		



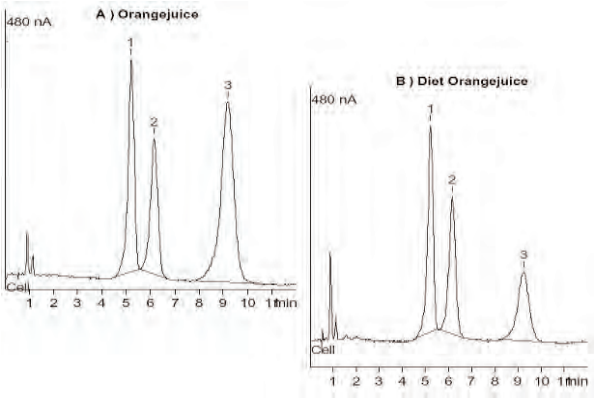
Sugars in Applejuice

Column	hamilton RCX-30	Sample	1 Sorbitol
Dimension	150 x 4.6 mm PEEK		2 Glucose
Eluent	60 mM NaOH		3 Fructose
Flow	2.00 ml/min		4 Sucrose
Detection	BioQuant Carbohydrate		
Temperature	32 ℃		
Injection	1 µl (diluted 1:1000)		



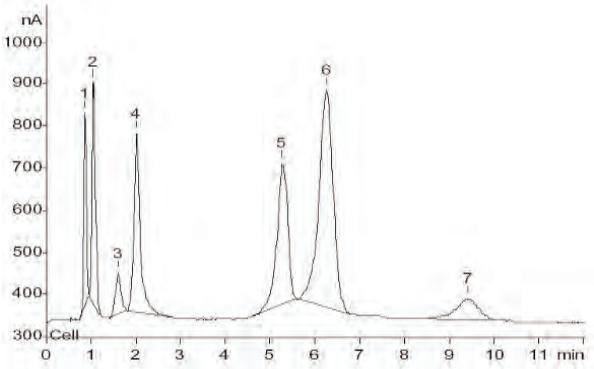
Sugars in Oragnejuice (A) and Diet Orangejuice (B)

Column	Hamilton RCX-30	Injection	5 µl (diluted 1: 1000)
Dimension	150 x 4.6 mm PEEK	Sample	1 Glucose
Eluent	60 mM NaOH		2 Fructose
Flow	2.00 ml/min		3 Sucrose
Detection	BioQuant carbohydrate		
Temperature	32 ℃		



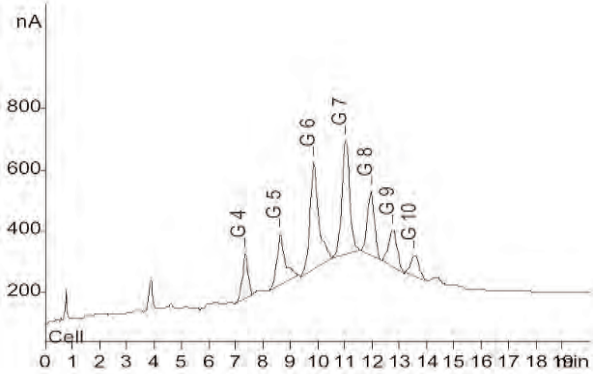
Sugars In Shampoo

Column	Hamilton RCX-30	Injection	1 µl
Dimension	150 x 4.6 mm PEEK	Sample	3 Sorbitol 5 Glucose 6 Fructose 7 Sucrose
Eluent	60 mM NaOH		
Flow	2.00 ml/min		
Detection	BioQuant Carbohydrate		
Temperature	32 ℃		



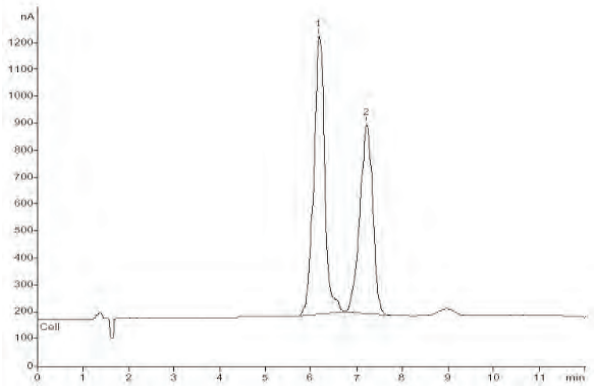
Maltooligosaccacharides from Cornsyrup

Column	Hamilton RCX	Flow	2.00 ml/min
Dimension	150 x 4.6 mm PEEK	Detection	BioQuant carbohydrate
Eluent	Eluent A: 60 mM NaOH Eluent B: 60 mM NaOH: 500 mM Na-acetat	Temperature	32 ℃
		Injection	5 µl
		Sample	G4- G10
Gradient	10-60% B in 0-20 min		



Monosaccharides of Glycoproteins

Column	Dionex CarboPAC PA1	Injection	5 µl
Dimension	250 x 4.0 mm PEEK	Sample	1 Galactosamine 2 Glucosamine
Eluent	20 mM NaOH		
Flow	1.00 ml/min		
Detection	BioQuant Carbohydrate		
Temperature	28 ℃		

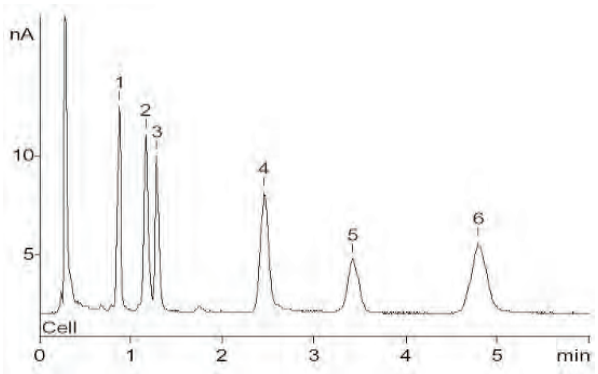


Plasma Catacholamines

Column	ProntoSIL-120-3-C18 AQ	Injection	5 µl
Dimension	33 x 3.0 mm	Sample	1 Noradrenalin 2 Adrenalin 3 DHBA 4 Dopamin
Eluent	Pronto- Cat Phase		
Flow	0.5 ml/min		
Detection	BioQuant carbohydrate		
Temperature	30 ℃		

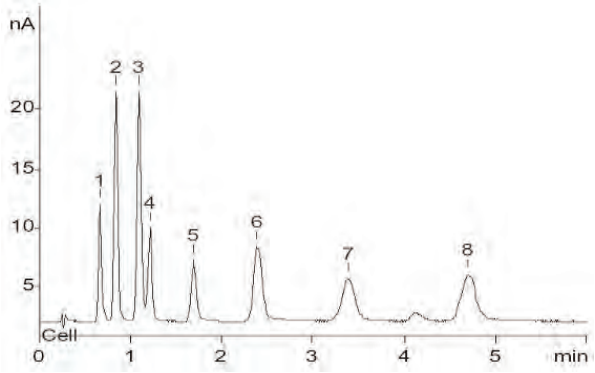
Catecholamine -6 -Standard

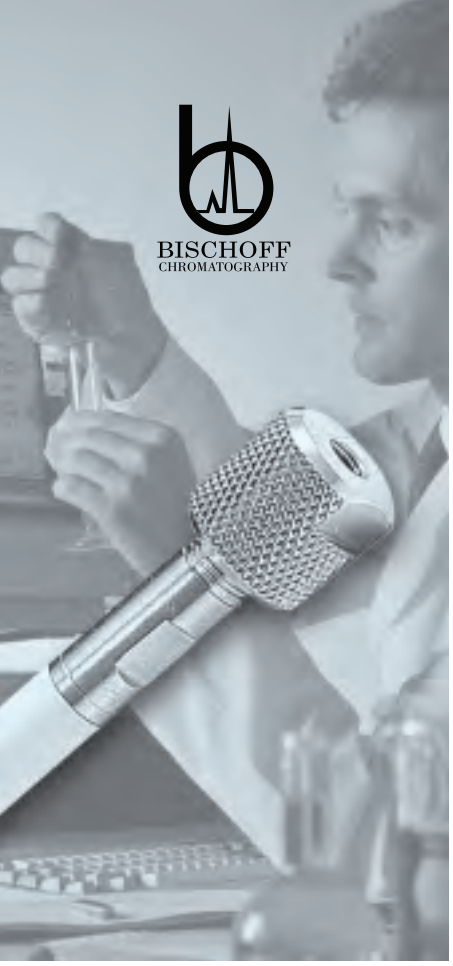
Column	ProntoSIL-120-3-C18 AQ	Sample	1 Arenalin
Dimension	33 x 3.0 mm		2 DHBA
Eluent	Pronto- Cat Phase		3 DOPAC
Flow	0.5 ml/min		4 5-HIAA
Detection	BioQuant Carbohydrate		5 HVA
Temperature	30 ℃		6 Serotonin
Injection	5 µl		



Catecholamine -8 -Standard

Column	ProntoSIL-120-3-C18 AQ	Injection	5 µl
Dimension	33 x 3.0 mm	Sample	1 Noradrenalin
Eluent	Pronto- Cat Phase		2 Adrenalin
Flow	0.5 ml/min		3 DHBA
Detection	BioQuant CAT Amine, +500 mV		4 DOPAC
Temperature	30 ℃		5 Dopamin
			6 5-HIAA
			7 HVA
			8 Serotonin





Ordering Information

ProntoSIL HPLC Columns

Page

ProntoSIL C18(C8) ace-EPS Columns(60A, 120A, 200A, 300A)

PART NUMBER	DESCRIPTION
0146F18APS030	ProntoSIL 120-3-C18 ace-EPS Guard 3um 14 x 4.6mm
0104F18APS030	ProntoSIL 120-3-C18 ace-EPS Guard 3um 14 x 4.0mm
1046F18APS030	ProntoSIL 120-3-C18 ace-EPS 3um 100 x 4.6mm
1004F18APS030	ProntoSIL 120-3-C18 ace-EPS 3um 100 x 4.0mm
1003F18APS030	ProntoSIL 120-3-C18 ace-EPS 3um 100 x 3.0mm
1002F18APS030	ProntoSIL 120-3-C18 ace-EPS 3um 100 x 2.0mm
1246F18APS030	ProntoSIL 120-3-C18 ace-EPS 3um 125 x 4.6mm
1204F18APS030	ProntoSIL 120-3-C18 ace-EPS 3um 125 x 4.0mm
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12P4K18APS030	ProntoSIL 300-3-C18 ace-EPS PEEK column 3um 125 x 4.0mm
15P4K18APS030	ProntoSIL 300-3-C18 ace-EPS PEEK column 3um 150 x 4.0mm
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PART NUMBER	DESCRIPTION
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2504H18APS050	ProntoSIL 200-5-C18 ace-EPS 5um 250 x 4.0mm
2503H18APS050	ProntoSIL 200-5-C18 ace-EPS 5um 250 x 3.0mm
2502H18APS050	ProntoSIL 200-5-C18 ace-EPS 5um 250 x 2.0mm
3046H18APS050	ProntoSIL 200-5-C18 ace-EPS 5um 300 x 4.6mm
3004H18APS050	ProntoSIL 200-5-C18 ace-EPS 5um 300 x 4.0mm
3003H18APS050	ProntoSIL 200-5-C18 ace-EPS 5um 300 x 3.0mm
3002H18APS050	ProntoSIL 200-5-C18 ace-EPS 5um 300 x 2.0mm
10P4H18APS050	ProntoSIL 200-5-C18 ace-EPS PEEK column 5um 100 x 4.0mm
12P4H18APS050	ProntoSIL 200-5-C18 ace-EPS PEEK column 5um 125 x 4.0mm
15P4H18APS050	ProntoSIL 200-5-C18 ace-EPS PEEK column 5um 150 x 4.0mm
20P4H18APS050	ProntoSIL 200-5-C18 ace-EPS PEEK column 5um 200 x 4.0mm
25P4H18APS050	ProntoSIL 200-5-C18 ace-EPS PEEK column 5um 250 x 4.0mm
30P4H18APS050	ProntoSIL 200-5-C18 ace-EPS PEEK column 5um 300 x 4.0mm
0146K18APS050	ProntoSIL 300-5-C18 ace-EPS Guard 5um 14 x 4.6mm
0104K18APS050	ProntoSIL 300-5-C18 ace-EPS Guard 5um 14 x 4.0mm
1046K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 100 x 4.6mm
1004K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 100 x 4.0mm
1003K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 100 x 3.0mm
1002K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 100 x 2.0mm
1246K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 125 x 4.6mm
1204K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 125 x 4.0mm
1203K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 125 x 3.0mm
1202K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 125 x 2.0mm
1546K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 150 x 4.6mm
1504K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 150 x 4.0mm
1503K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 150 x 3.0mm
1502K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 150 x 2.0mm

PART NUMBER	DESCRIPTION
2046K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 200 x 4.6mm
2004K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 200 x 4.0mm
2003K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 200 x 3.0mm
2002K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 200 x 2.0mm
2546K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 250 x 4.6mm
2504K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 250 x 4.0mm
2503K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 250 x 3.0mm
2502K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 250 x 2.0mm
3046K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 300 x 4.6mm
3004K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 300 x 4.0mm
3003K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 300 x 3.0mm
3002K18APS050	ProntoSIL 300-5-C18 ace-EPS 5um 300 x 2.0mm
10P4K18APS050	ProntoSIL 300-5-C18 ace-EPS PEEK column 5um 100 x 4.0mm
12P4K18APS050	ProntoSIL 300-5-C18 ace-EPS PEEK column 5um 125 x 4.0mm
15P4K18APS050	ProntoSIL 300-5-C18 ace-EPS PEEK column 5um 150 x 4.0mm
20P4K18APS050	ProntoSIL 300-5-C18 ace-EPS PEEK column 5um 200 x 4.0mm
25P4K18APS050	ProntoSIL 300-5-C18 ace-EPS PEEK column 5um 250 x 4.0mm
30P4K18APS050	ProntoSIL 300-5-C18 ace-EPS PEEK column 5um 300 x 4.0mm
0146F08APS050	ProntoSIL 120-5-C8 ace-EPS Guard 5um 14 x 4.6mm
0104F08APS050	ProntoSIL 120-5-C8 ace-EPS Guard 5um 14 x 4.0mm
1046F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 100 x 4.6mm
1004F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 100 x 4.0mm
1003F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 100 x 3.0mm
1002F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 100 x 2.0mm
1246F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 125 x 4.6mm
1204F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 125 x 4.0mm
1203F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 125 x 3.0mm
1202F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 125 x 2.0mm
1546F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 150 x 4.6mm
1504F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 150 x 4.0mm
1503F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 150 x 3.0mm
1502F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 150 x 2.0mm
2046F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 200 x 4.6mm
2004F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 200 x 4.0mm
2003F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 200 x 3.0mm
2002F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 200 x 2.0mm
2546F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 250 x 4.6mm
2504F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 250 x 4.0mm
2503F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 250 x 3.0mm
2502F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 250 x 2.0mm
3046F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 300 x 4.6mm
3004F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 300 x 4.0mm

PART NUMBER	DESCRIPTION
3003F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 300 x 3.0mm
3002F08APS050	ProntoSIL 120-5-C8 ace-EPS 5um 300 x 2.0mm
10P4F08APS050	ProntoSIL 120-5-C8 ace-EPS PEEK column 5um 100 x 4.0mm
12P4F08APS050	ProntoSIL 120-5-C8 ace-EPS PEEK column 5um 125 x 4.0mm
15P4F08APS050	ProntoSIL 120-5-C8 ace-EPS PEEK column 5um 150 x 4.0mm
20P4F08APS050	ProntoSIL 120-5-C8 ace-EPS PEEK column 5um 200 x 4.0mm
25P4F08APS050	ProntoSIL 120-5-C8 ace-EPS PEEK column 5um 250 x 4.0mm
30P4F08APS050	ProntoSIL 120-5-C8 ace-EPS PEEK column 5um 300 x 4.0mm

ProntoSIL C18 H Columns(60A, 120A, 200A, 300A)

PART NUMBER	DESCRIPTION
0146C185PS030	ProntoSIL 60-3-C18H Guard 3um 14 x 4.6mm
0104C185PS030	ProntoSIL 60-3-C18H Guard 3um 14 x 4.0mm
1046C185PS030	ProntoSIL 60-3-C18H 3um 100 x 4.6mm
1004C185PS030	ProntoSIL 60-3-C18H 3um 100 x 4.0mm
1003C185PS030	ProntoSIL 60-3-C18H 3um 100 x 3.0mm
1002C185PS030	ProntoSIL 60-3-C18H 3um 100 x 2.0mm
1246C185PS030	ProntoSIL 60-3-C18H 3um 125 x 4.6mm
1204C185PS030	ProntoSIL 60-3-C18H 3um 125 x 4.0mm
1203C185PS030	ProntoSIL 60-3-C18H 3um 125 x 3.0mm
1202C185PS030	ProntoSIL 60-3-C18H 3um 125 x 2.0mm
1546C185PS030	ProntoSIL 60-3-C18H 3um 150 x 4.6mm
1504C185PS030	ProntoSIL 60-3-C18H 3um 150 x 4.0mm
1503C185PS030	ProntoSIL 60-3-C18H 3um 150 x 3.0mm
1502C185PS030	ProntoSIL 60-3-C18H 3um 150 x 2.0mm
2046C185PS030	ProntoSIL 60-3-C18H 3um 200 x 4.6mm
2004C185PS030	ProntoSIL 60-3-C18H 3um 200 x 4.0mm
2003C185PS030	ProntoSIL 60-3-C18H 3um 200 x 3.0mm
2002C185PS030	ProntoSIL 60-3-C18H 3um 200 x 2.0mm
2546C185PS030	ProntoSIL 60-3-C18H 3um 250 x 4.6mm
2504C185PS030	ProntoSIL 60-3-C18H 3um 250 x 4.0mm
2503C185PS030	ProntoSIL 60-3-C18H 3um 250 x 3.0mm
2502C185PS030	ProntoSIL 60-3-C18H 3um 250 x 2.0mm
10P4C185PS030	ProntoSIL 60-3-C18H PEEK column 3um 100 x 4.0mm
12P4C185PS030	ProntoSIL 60-3-C18H PEEK column 3um 125 x 4.0mm
15P4C185PS030	ProntoSIL 60-3-C18H PEEK column 3um 150 x 4.0mm
20P4C185PS030	ProntoSIL 60-3-C18H PEEK column 3um 200 x 4.0mm
25P4C185PS030	ProntoSIL 60-3-C18H PEEK column 3um 250 x 4.0mm
0146C185PS050	ProntoSIL 60-5-C18H Guard 5um 14 x 4.6mm
0104C185PS050	ProntoSIL 60-5-C18H Guard 5um 14 x 4.0mm
1046C185PS050	ProntoSIL 60-5-C18H 5um 100 x 4.6mm
1004C185PS050	ProntoSIL 60-5-C18H 5um 100 x 4.0mm
1003C185PS050	ProntoSIL 60-5-C18H 5um 100 x 3.0mm
1002C185PS050	ProntoSIL 60-5-C18H 5um 100 x 2.0mm
1246C185PS050	ProntoSIL 60-5-C18H 5um 125 x 4.6mm
1204C185PS050	ProntoSIL 60-5-C18H 5um 125 x 4.0mm
1203C185PS050	ProntoSIL 60-5-C18H 5um 125 x 3.0mm
1202C185PS050	ProntoSIL 60-5-C18H 5um 125 x 2.0mm
1546C185PS050	ProntoSIL 60-5-C18H 5um 150 x 4.6mm
1504C185PS050	ProntoSIL 60-5-C18H 5um 150 x 4.0mm
1503C185PS050	ProntoSIL 60-5-C18H 5um 150 x 3.0mm
1502C185PS050	ProntoSIL 60-5-C18H 5um 150 x 2.0mm

PART NUMBER	DESCRIPTION
2046C185PS050	ProntoSIL 60-5-C18H 5um 200 x 4.6mm
2004C185PS050	ProntoSIL 60-5-C18H 5um 200 x 4.0mm
2003C185PS050	ProntoSIL 60-5-C18H 5um 200 x 3.0mm
2002C185PS050	ProntoSIL 60-5-C18H 5um 200 x 2.0mm
2546C185PS050	ProntoSIL 60-5-C18H 5um 250 x 4.6mm
2504C185PS050	ProntoSIL 60-5-C18H 5um 250 x 4.0mm
2503C185PS050	ProntoSIL 60-5-C18H 5um 250 x 3.0mm
2502C185PS050	ProntoSIL 60-5-C18H 5um 250 x 2.0mm
3046C185PS050	ProntoSIL 60-5-C18H 5um 300 x 4.6mm
3004C185PS050	ProntoSIL 60-5-C18H 5um 300 x 4.0mm
3003C185PS050	ProntoSIL 60-5-C18H 5um 300 x 3.0mm
3002C185PS050	ProntoSIL 60-5-C18H 5um 300 x 2.0mm
10P4C185PS050	ProntoSIL 60-5-C18H PEEK column 5um 100 x 4.0mm
12P4C185PS050	ProntoSIL 60-5-C18H PEEK column 5um 125 x 4.0mm
15P4C185PS050	ProntoSIL 60-5-C18H PEEK column 5um 150 x 4.0mm
20P4C185PS050	ProntoSIL 60-5-C18H PEEK column 5um 200 x 4.0mm
25P4C185PS050	PontoSIL 60-5-C18H PEEK column 5um 250 x 4.0mm
30P4C185PS050	ProntoSIL 60-5-C18H PEEK column 5um 300 x 4.0mm
0146F185PS030	ProntoSIL 120-3-C18H Guard 3um 14 x 4.6mm
0104F185PS030	ProntoSIL 120-3-C18H Guard 3um 14 x 4.0mm
1046F185PS030	ProntoSIL 120-3-C18H 3um 100 x 4.6mm
1004F185PS030	ProntoSIL 120-3-C18H 3um 100 x 4.0mm
1003F185PS030	ProntoSIL 120-3-C18H 3um 100 x 3.0mm
1002F185PS030	ProntoSIL 120-3-C18H 3um 100 x 2.0mm
1246F185PS030	ProntoSIL 120-3-C18H 3um 125 x 4.6mm
1204F185PS030	ProntoSIL 120-3-C18H 3um 125 x 4.0mm
1203F185PS030	ProntoSIL 120-3-C18H 3um 125 x 3.0mm
1202F185PS030	ProntoSIL 120-3-C18H 3um 125 x 2.0mm
1546F185PS030	ProntoSIL 120-3-C18H 3um 150 x 4.6mm
1504F185PS030	ProntoSIL 120-3-C18H 3um 150 x 4.0mm
1503F185PS030	ProntoSIL 120-3-C18H 3um 150 x 3.0mm
1502F185PS030	ProntoSIL 120-3-C18H 3um 150 x 2.0mm
2046F185PS030	ProntoSIL 120-3-C18H 3um 200 x 4.6mm
2004F185PS030	ProntoSIL 120-3-C18H 3um 200 x 4.0mm
2003F185PS030	ProntoSIL 120-3-C18H 3um 200 x 3.0mm
2002F185PS030	ProntoSIL 120-3-C18H 3um 200 x 2.0mm
2546F185PS030	ProntoSIL 120-3-C18H 3um 250 x 4.6mm
2504F185PS030	ProntoSIL 120-3-C18H 3um 250 x 4.0mm
2503F185PS030	ProntoSIL 120-3-C18H 3um 250 x 3.0mm
2502F185PS030	ProntoSIL 120-3-C18H 3um 250 x 2.0mm
10P4F185PS030	ProntoSIL 120-3-C18H PEEK column 3um 100 x 4.0mm

PART NUMBER	DESCRIPTION
12P4F185PS030	ProntoSIL 120-3-C18H PEEK column 3um 125 x 4.0mm
15P4F185PS030	ProntoSIL 120-3-C18H PEEK column 3um 150 x 4.0mm
20P4F185PS030	ProntoSIL 120-3-C18H PEEK column 3um 200 x 4.0mm
25P4F185PS030	ProntoSIL 120-3-C18H PEEK column 3um 250 x 4.0mm
0146F185PS050	ProntoSIL 120-5-C18H Guard 5um 14 x 4.6mm
0104F185PS050	ProntoSIL 120-5-C18H Guard 5um 14 x 4.0mm
1046F185PS050	ProntoSIL 120-5-C18H 5um 100 x 4.6mm
1004F185PS050	ProntoSIL 120-5-C18H 5um 100 x 4.0mm
1003F185PS050	ProntoSIL 120-5-C18H 5um 100 x 3.0mm
1002F185PS050	ProntoSIL 120-5-C18H 5um 100 x 2.0mm
1246F185PS050	ProntoSIL 120-5-C18H 5um 125 x 4.6mm
1204F185PS050	ProntoSIL 120-5-C18H 5um 125 x 4.0mm
1203F185PS050	ProntoSIL 120-5-C18H 5um 125 x 3.0mm
1202F185PS050	ProntoSIL 120-5-C18H 5um 125 x 2.0mm
1546F185PS050	ProntoSIL 120-5-C18H 5um 150 x 4.6mm
1504F185PS050	ProntoSIL 120-5-C18H 5um 150 x 4.0mm
1503F185PS050	ProntoSIL 120-5-C18H 5um 150 x 3.0mm
1502F185PS050	ProntoSIL 120-5-C18H 5um 150 x 2.0mm
2046F185PS050	ProntoSIL 120-5-C18H 5um 200 x 4.6mm
2004F185PS050	ProntoSIL 120-5-C18H 5um 200 x 4.0mm
2003F185PS050	ProntoSIL 120-5-C18H 5um 200 x 3.0mm
2002F185PS050	ProntoSIL 120-5-C18H 5um 200 x 2.0mm
2546F185PS050	ProntoSIL 120-5-C18H 5um 250 x 4.6mm
2504F185PS050	ProntoSIL 120-5-C18H 5um 250 x 4.0mm
2503F185PS050	ProntoSIL 120-5-C18H 5um 250 x 3.0mm
2502F185PS050	ProntoSIL 120-5-C18H 5um 250 x 2.0mm
3046F185PS050	ProntoSIL 120-5-C18H 5um 300 x 4.6mm
3004F185PS050	ProntoSIL 120-5-C18H 5um 300 x 4.0mm
3003F185PS050	ProntoSIL 120-5-C18H 5um 300 x 3.0mm
3002F185PS050	ProntoSIL 120-5-C18H 5um 300 x 2.0mm
10P4F185PS050	ProntoSIL 120-5-C18H PEEK column 5um 100 x 4.0mm
12P4F185PS050	ProntoSIL 120-5-C18H PEEK column 5um 125 x 4.0mm
15P4F185PS050	ProntoSIL 120-5-C18H PEEK column 5um 150 x 4.0mm
20P4F185PS050	ProntoSIL 120-5-C18H PEEK column 5um 200 x 4.0mm
25P4F185PS050	ProntoSIL 120-5-C18H PEEK column 5um 250 x 4.0mm
30P4F185PS050	ProntoSIL 120-5-C18H PEEK column 5um 300 x 4.0mm
0146F185PS100	ProntoSIL 120-10-C18H Guard 10um 14 x 4.6mm
0104F185PS100	ProntoSIL 120-10-C18H Guard 10um 14 x 4.0mm
1046F185PS100	ProntoSIL 120-10-C18H 10um 100 x 4.6mm
1004F185PS100	ProntoSIL 120-10-C18H 10um 100 x 4.0mm
1003F185PS100	ProntoSIL 120-10-C18H 10um 100 x 3.0mm
1002F185PS100	ProntoSIL 120-10-C18H 10um 100 x 2.0mm
1246F185PS100	ProntoSIL 120-10-C18H 10um 125 x 4.6mm
1204F185PS100	ProntoSIL 120-10-C18H 10um 125 x 4.0mm
1203F185PS100	ProntoSIL 120-10-C18H 10um 125 x 3.0mm
1202F185PS100	ProntoSIL 120-10-C18H 10um 125 x 2.0mm
1546F185PS100	ProntoSIL 120-10-C18H 10um 150 x 4.6mm

PART NUMBER	DESCRIPTION
1504F185PS100	ProntoSIL 120-10-C18H 10um 150 x 4.0mm
1503F185PS100	ProntoSIL 120-10-C18H 10um 150 x 3.0mm
1502F185PS100	ProntoSIL 120-10-C18H 10um 150 x 2.0mm
2046F185PS100	ProntoSIL 120-10-C18H 10um 200 x 4.6mm
2004F185PS100	ProntoSIL 120-10-C18H 10um 200 x 4.0mm
2003F185PS100	ProntoSIL 120-10-C18H 10um 200 x 3.0mm
2002F185PS100	ProntoSIL 120-10-C18H 10um 200 x 2.0mm
2546F185PS100	ProntoSIL 120-10-C18H 10um 250 x 4.6mm
2504F185PS100	ProntoSIL 120-10-C18H 10um 250 x 4.0mm
2503F185PS100	ProntoSIL 120-10-C18H 10um 250 x 3.0mm
2502F185PS100	ProntoSIL 120-10-C18H 10um 250 x 2.0mm
3046F185PS100	ProntoSIL 120-10-C18H 10um 300 x 4.6mm
3004F185PS100	ProntoSIL 120-10-C18H 10um 300 x 4.0mm
3003F185PS100	ProntoSIL 120-10-C18H 10um 300 x 3.0mm
3002F185PS100	ProntoSIL 120-10-C18H 10um 300 x 2.0mm
10P4F185PS100	ProntoSIL 120-10-C18H PEEK column 10um 100 x 4.0mm
12P4F185PS100	ProntoSIL 120-10-C18H PEEK column 10um 125 x 4.0mm
15P4F185PS100	ProntoSIL 120-10-C18H PEEK column 10um 150 x 4.0mm
20P4F185PS100	ProntoSIL 120-10-C18H PEEK column 10um 200 x 4.0mm
25P4F185PS100	ProntoSIL 120-10-C18H PEEK column 10um 250 x 4.0mm
30P4F185PS100	ProntoSIL 120-10-C18H PEEK column 10um 300 x 4.0mm
0146H185PS030	ProntoSIL 200-3-C18H Guard 3um 14 x 4.6mm
0104H185PS030	ProntoSIL 200-3-C18H Guard 3um 14 x 4.0mm
1046H185PS030	ProntoSIL 200-3-C18H 3um 100 x 4.6mm
1004H185PS030	ProntoSIL 200-3-C18H 3um 100 x 4.0mm
1003H185PS030	ProntoSIL 200-3-C18H 3um 100 x 3.0mm
1002H185PS030	ProntoSIL 200-3-C18H 3um 100 x 2.0mm
1246H185PS030	ProntoSIL 200-3-C18H 3um 125 x 4.6mm
1204H185PS030	ProntoSIL 200-3-C18H 3um 125 x 4.0mm
1203H185PS030	ProntoSIL 200-3-C18H 3um 125 x 3.0mm
1202H185PS030	ProntoSIL 200-3-C18H 3um 125 x 2.0mm
1546H185PS030	ProntoSIL 200-3-C18H 3um 150 x 4.6mm
1504H185PS030	ProntoSIL 200-3-C18H 3um 150 x 4.0mm
1503H185PS030	ProntoSIL 200-3-C18H 3um 150 x 3.0mm
1502H185PS030	ProntoSIL 200-3-C18H 3um 150 x 2.0mm
2046H185PS030	ProntoSIL 200-3-C18H 3um 200 x 4.6mm
2004H185PS030	ProntoSIL 200-3-C18H 3um 200 x 4.0mm
2003H185PS030	ProntoSIL 200-3-C18H 3um 200 x 3.0mm
2002H185PS030	ProntoSIL 200-3-C18H 3um 200 x 2.0mm
2546H185PS030	ProntoSIL 200-3-C18H 3um 250 x 4.6mm
2504H185PS030	ProntoSIL 200-3-C18H 3um 250 x 4.0mm
2503H185PS030	ProntoSIL 200-3-C18H 3um 250 x 3.0mm
2502H185PS030	ProntoSIL 200-3-C18H 3um 250 x 2.0mm
10P4H185PS030	ProntoSIL 200-3-C18H PEEK column 3um 100 x 4.0mm
12P4H185PS030	ProntoSIL 200-3-C18H PEEK column 3um 125 x 4.0mm
15P4H185PS030	ProntoSIL 200-3-C18H PEEK column 3um 150 x 4.0mm
20P4H185PS030	ProntoSIL 200-3-C18H PEEK column 3um 200 x 4.0mm

PART NUMBER	DESCRIPTION
25P4H185PS030	ProntoSIL 200-3-C18H PEEK column 3um 250 x 4.0mm
0146H185PS050	ProntoSIL 200-5-C18H Guard 5um 14 x 4.6mm
0104H185PS050	ProntoSIL 200-5-C18H Guard 5um 14 x 4.0mm
1046H185PS050	ProntoSIL 200-5-C18H 5um 100 x 4.6mm
1004H185PS050	ProntoSIL 200-5-C18H 5um 100 x 4.0mm
1003H185PS050	ProntoSIL 200-5-C18H 5um 100 x 3.0mm
1002H185PS050	ProntoSIL 200-5-C18H 5um 100 x 2.0mm
1246H185PS050	ProntoSIL 200-5-C18H 5um 125 x 4.6mm
1204H185PS050	ProntoSIL 200-5-C18H 5um 125 x 4.0mm
1203H185PS050	ProntoSIL 200-5-C18H 5um 125 x 3.0mm
1202H185PS050	ProntoSIL 200-5-C18H 5um 125 x 2.0mm
1546H185PS050	ProntoSIL 200-5-C18H 5um 150 x 4.6mm
1504H185PS050	ProntoSIL 200-5-C18H 5um 150 x 4.0mm
1503H185PS050	ProntoSIL 200-5-C18H 5um 150 x 3.0mm
1502H185PS050	ProntoSIL 200-5-C18H 5um 150 x 2.0mm
2046H185PS050	ProntoSIL 200-5-C18H 5um 200 x 4.6mm
2004H185PS050	ProntoSIL 200-5-C18H 5um 200 x 4.0mm
2003H185PS050	ProntoSIL 200-5-C18H 5um 200 x 3.0mm
2002H185PS050	ProntoSIL 200-5-C18H 5um 200 x 2.0mm
2546H185PS050	ProntoSIL 200-5-C18H 5um 250 x 4.6mm
2504H185PS050	ProntoSIL 200-5-C18H 5um 250 x 4.0mm
2503H185PS050	ProntoSIL 200-5-C18H 5um 250 x 3.0mm
2502H185PS050	ProntoSIL 200-5-C18H 5um 250 x 2.0mm
3046H185PS050	ProntoSIL 200-5-C18H 5um 300 x 4.6mm
3004H185PS050	ProntoSIL 200-5-C18H 5um 300 x 4.0mm
3003H185PS050	ProntoSIL 200-5-C18H 5um 300 x 3.0mm
3002H185PS050	ProntoSIL 200-5-C18H 5um 300 x 2.0mm
10P4H185PS050	ProntoSIL 200-5-C18H PEEK column 5um 100 x 4.0mm
12P4H185PS050	ProntoSIL 200-5-C18H PEEK column 5um 125 x 4.0mm
15P4H185PS050	ProntoSIL 200-5-C18H PEEK column 5um 150 x 4.0mm
20P4H185PS050	ProntoSIL 200-5-C18H PEEK column 5um 200 x 4.0mm
25P4H185PS050	ProntoSIL 200-5-C18H PEEK column 5um 250 x 4.0mm
30P4H185PS050	ProntoSIL 200-5-C18H PEEK column 5um 300 x 4.0mm
0146K185PS030	ProntoSIL 300-3-C18H Guard 3um 14 x 4.6mm
0104K185PS030	ProntoSIL 300-3-C18H Guard 3um 14 x 4.0mm
1046K185PS030	ProntoSIL 300-3-C18H 3um 100 x 4.6mm
1004K185PS030	ProntoSIL 300-3-C18H 3um 100 x 4.0mm
1003K185PS030	ProntoSIL 300-3-C18H 3um 100 x 3.0mm
1002K185PS030	ProntoSIL 300-3-C18H 3um 100 x 2.0mm
1246K185PS030	ProntoSIL 300-3-C18H 3um 125 x 4.6mm
1204K185PS030	ProntoSIL 300-3-C18H 3um 125 x 4.0mm
1203K185PS030	ProntoSIL 300-3-C18H 3um 125 x 3.0mm
1202K185PS030	ProntoSIL 300-3-C18H 3um 125 x 2.0mm
1546K185PS030	ProntoSIL 300-3-C18H 3um 150 x 4.6mm
1504K185PS030	ProntoSIL 300-3-C18H 3um 150 x 4.0mm
1503K185PS030	ProntoSIL 300-3-C18H 3um 150 x 3.0mm
1502K185PS030	ProntoSIL 300-3-C18H 3um 150 x 2.0mm

PART NUMBER	DESCRIPTION
2046K185PS030	ProntoSIL 300-3-C18H 3um 200 x 4.6mm
2004K185PS030	ProntoSIL 300-3-C18H 3um 200 x 4.0mm
2003K185PS030	ProntoSIL 300-3-C18H 3um 200 x 3.0mm
2002K185PS030	ProntoSIL 300-3-C18H 3um 200 x 2.0mm
2546K185PS030	ProntoSIL 300-3-C18H 3um 250 x 4.6mm
2504K185PS030	ProntoSIL 300-3-C18H 3um 250 x 4.0mm
2503K185PS030	ProntoSIL 300-3-C18H 3um 250 x 3.0mm
2502K185PS030	ProntoSIL 300-3-C18H 3um 250 x 2.0mm
10P4K185PS030	ProntoSIL 300-3-C18H PEEK column 3um 100 x 4.0mm
12P4K185PS030	ProntoSIL 300-3-C18H PEEK column 3um 125 x 4.0mm
15P4K185PS030	ProntoSIL 300-3-C18H PEEK column 3um 150 x 4.0mm
20P4K185PS030	ProntoSIL 300-3-C18H PEEK column 3um 200 x 4.0mm
25P4K185PS030	ProntoSIL 300-3-C18H PEEK column 3um 250 x 4.0mm
0146K185PS050	ProntoSIL 300-5-C18H Guard 5um 14 x 4.6mm
0104K185PS050	ProntoSIL 300-5-C18H Guard 5um 14 x 4.0mm
1046K185PS050	ProntoSIL 300-5-C18H 5um 100 x 4.6mm
1004K185PS050	ProntoSIL 300-5-C18H 5um 100 x 4.0mm
1003K185PS050	ProntoSIL 300-5-C18H 5um 100 x 3.0mm
1002K185PS050	ProntoSIL 300-5-C18H 5um 100 x 2.0mm
1246K185PS050	ProntoSIL 300-5-C18H 5um 125 x 4.6mm
1204K185PS050	ProntoSIL 300-5-C18H 5um 125 x 4.0mm
1203K185PS050	ProntoSIL 300-5-C18H 5um 125 x 3.0mm
1202K185PS050	ProntoSIL 300-5-C18H 5um 125 x 2.0mm
1546K185PS050	ProntoSIL 300-5-C18H 5um 150 x 4.6mm
1504K185PS050	ProntoSIL 300-5-C18H 5um 150 x 4.0mm
1503K185PS050	ProntoSIL 300-5-C18H 5um 150 x 3.0mm
1502K185PS050	ProntoSIL 300-5-C18H 5um 150 x 2.0mm
2046K185PS050	ProntoSIL 300-5-C18H 5um 200 x 4.6mm
2004K185PS050	ProntoSIL 300-5-C18H 5um 200 x 4.0mm
2003K185PS050	ProntoSIL 300-5-C18H 5um 200 x 3.0mm
2002K185PS050	ProntoSIL 300-5-C18H 5um 200 x 2.0mm
2546K185PS050	ProntoSIL 300-5-C18H 5um 250 x 4.6mm
2504K185PS050	ProntoSIL 300-5-C18H 5um 250 x 4.0mm
2503K185PS050	ProntoSIL 300-5-C18H 5um 250 x 3.0mm
2502K185PS050	ProntoSIL 300-5-C18H 5um 250 x 2.0mm
3046K185PS050	ProntoSIL 300-5-C18H 5um 300 x 4.6mm
3004K185PS050	ProntoSIL 300-5-C18H 5um 300 x 4.0mm
3003K185PS050	ProntoSIL 300-5-C18H 5um 300 x 3.0mm
3002K185PS050	ProntoSIL 300-5-C18H 5um 300 x 2.0mm
10P4K185PS050	ProntoSIL 300-5-C18H PEEK column 5um 100 x 4.0mm
12P4K185PS050	ProntoSIL 300-5-C18H PEEK column 5um 125 x 4.0mm
15P4K185PS050	ProntoSIL 300-5-C18H PEEK column 5um 150 x 4.0mm
20P4K185PS050	ProntoSIL 300-5-C18H PEEK column 5um 200 x 4.0mm
25P4K185PS050	ProntoSIL 300-5-C18H PEEK column 5um 250 x 4.0mm
30P4K185PS050	ProntoSIL 300-5-C18H PEEK column 5um 300 x 4.0mm

ProntoSIL C18(C8) SH Columns(60A, 120A, 200A, 300A)

PART NUMBER	DESCRIPTION
0146F180PS030	ProntoSIL 120-3-C18SH Guard 3um 14 x 4.6mm
0104F180PS030	ProntoSIL 120-3-C18SH Guard 3um 14 x 4.0mm
1046F180PS030	ProntoSIL 120-3-C18SH 3um 100 x 4.6mm
1004F180PS030	ProntoSIL 120-3-C18SH 3um 100 x 4.0mm
1003F180PS030	ProntoSIL 120-3-C18SH 3um 100 x 3.0mm
1002F180PS030	ProntoSIL 120-3-C18SH 3um 100 x 2.0mm
1246F180PS030	ProntoSIL 120-3-C18SH 3um 125 x 4.6mm
1204F180PS030	ProntoSIL 120-3-C18SH 3um 125 x 4.0mm
1203F180PS030	ProntoSIL 120-3-C18SH 3um 125 x 3.0mm
1202F180PS030	ProntoSIL 120-3-C18SH 3um 125 x 2.0mm
1546F180PS030	ProntoSIL 120-3-C18SH 3um 150 x 4.6mm
1504F180PS030	ProntoSIL 120-3-C18SH 3um 150 x 4.0mm
1503F180PS030	ProntoSIL 120-3-C18SH 3um 150 x 3.0mm
1502F180PS030	ProntoSIL 120-3-C18SH 3um 150 x 2.0mm
2046F180PS030	ProntoSIL 120-3-C18SH 3um 200 x 4.6mm
2004F180PS030	ProntoSIL 120-3-C18SH 3um 200 x 4.0mm
2003F180PS030	ProntoSIL 120-3-C18SH 3um 200 x 3.0mm
2002F180PS030	ProntoSIL 120-3-C18SH 3um 200 x 2.0mm
2546F180PS030	ProntoSIL 120-3-C18SH 3um 250 x 4.6mm
2504F180PS030	ProntoSIL 120-3-C18SH 3um 250 x 4.0mm
2503F180PS030	ProntoSIL 120-3-C18SH 3um 250 x 3.0mm
2502F180PS030	ProntoSIL 120-3-C18SH 3um 250 x 2.0mm
10P4F180PS030	ProntoSIL 120-3-C18SH PEEK column 3um 100 x 4.0mm
12P4F180PS030	ProntoSIL 120-3-C18SH PEEK column 3um 125 x 4.0mm
15P4F180PS030	ProntoSIL 120-3-C18SH PEEK column 3um 150 x 4.0mm
20P4F180PS030	ProntoSIL 120-3-C18SH PEEK column 3um 200 x 4.0mm
25P4F180PS030	ProntoSIL 120-3-C18SH PEEK column 3um 250 x 4.0mm
0146F180PS050	ProntoSIL 120-5-C18SH Guard 5um 14 x 4.6mm
0104F180PS050	ProntoSIL 120-5-C18SH Guard 5um 14 x 4.0mm
1046F180PS050	ProntoSIL 120-5-C18SH 5um 100 x 4.6mm
1004F180PS050	ProntoSIL 120-5-C18SH 5um 100 x 4.0mm
1003F180PS050	ProntoSIL 120-5-C18SH 5um 100 x 3.0mm
1002F180PS050	ProntoSIL 120-5-C18SH 5um 100 x 2.0mm
1246F180PS050	ProntoSIL 120-5-C18SH 5um 125 x 4.6mm
1204F180PS050	ProntoSIL 120-5-C18SH 5um 125 x 4.0mm
1203F180PS050	ProntoSIL 120-5-C18SH 5um 125 x 3.0mm

PART NUMBER	DESCRIPTION
1202F180PS050	ProntoSIL 120-5-C18SH 5um 125 x 2.0mm
1546F180PS050	ProntoSIL 120-5-C18SH 5um 150 x 4.6mm
1504F180PS050	ProntoSIL 120-5-C18SH 5um 150 x 4.0mm
1503F180PS050	ProntoSIL 120-5-C18SH 5um 150 x 3.0mm
1502F180PS050	ProntoSIL 120-5-C18SH 5um 150 x 2.0mm
2046F180PS050	ProntoSIL 120-5-C18SH 5um 200 x 4.6mm
2004F180PS050	ProntoSIL 120-5-C18SH 5um 200 x 4.0mm
2003F180PS050	ProntoSIL 120-5-C18SH 5um 200 x 3.0mm
2002F180PS050	ProntoSIL 120-5-C18SH 5um 200 x 2.0mm
2546F180PS050	ProntoSIL 120-5-C18SH 5um 250 x 4.6mm
2504F180PS050	ProntoSIL 120-5-C18SH 5um 250 x 4.0mm
2503F180PS050	ProntoSIL 120-5-C18SH 5um 250 x 3.0mm
2502F180PS050	ProntoSIL 120-5-C18SH 5um 250 x 2.0mm
3046F180PS050	ProntoSIL 120-5-C18SH 5um 300 x 4.6mm
3004F180PS050	ProntoSIL 120-5-C18SH 5um 300 x 4.0mm
3003F180PS050	ProntoSIL 120-5-C18SH 5um 300 x 3.0mm
3002F180PS050	ProntoSIL 120-5-C18SH 5um 300 x 2.0mm
10P4F180PS050	ProntoSIL 120-5-C18SH PEEK column 5um 100 x 4.0mm
12P4F180PS050	ProntoSIL 120-5-C18SH PEEK column 5um 125 x 4.0mm
15P4F180PS050	ProntoSIL 120-5-C18SH PEEK column 5um 150 x 4.0mm
20P4F180PS050	ProntoSIL 120-5-C18SH PEEK column 5um 200 x 4.0mm
25P4F180PS050	ProntoSIL 120-5-C18SH PEEK column 5um 250 x 4.0mm
30P4F180PS050	ProntoSIL 120-5-C18SH PEEK column 5um 300 x 4.0mm
0146F180PS100	ProntoSIL 120-10-C18SH Guard 10um 14 x 4.6mm
0104F180PS100	ProntoSIL 120-10-C18SH Guard 10um 14 x 4.0mm
1046F180PS100	ProntoSIL 120-10-C18SH 10um 100 x 4.6mm
1004F180PS100	ProntoSIL 120-10-C18SH 10um 100 x 4.0mm
1003F180PS100	ProntoSIL 120-10-C18SH 10um 100 x 3.0mm
1002F180PS100	ProntoSIL 120-10-C18SH 10um 100 x 2.0mm
1246F180PS100	ProntoSIL 120-10-C18SH 10um 125 x 4.6mm
1204F180PS100	ProntoSIL 120-10-C18SH 10um 125 x 4.0mm
1203F180PS100	ProntoSIL 120-10-C18SH 10um 125 x 3.0mm
1202F180PS100	ProntoSIL 120-10-C18SH 10um 125 x 2.0mm
1546F180PS100	ProntoSIL 120-10-C18SH 10um 150 x 4.6mm
1504F180PS100	ProntoSIL 120-10-C18SH 10um 150 x 4.0mm
1503F180PS100	ProntoSIL 120-10-C18SH 10um 150 x 3.0mm

PART NUMBER	DESCRIPTION
1502F180PS100	ProntoSIL 120-10-C18SH 10um 150 x 2.0mm
2046F180PS100	ProntoSIL 120-10-C18SH 10um 200 x 4.6mm
2004F180PS100	ProntoSIL 120-10-C18SH 10um 200 x 4.0mm
2003F180PS100	ProntoSIL 120-10-C18SH 10um 200 x 3.0mm
2002F180PS100	ProntoSIL 120-10-C18SH 10um 200 x 2.0mm
2546F180PS100	ProntoSIL 120-10-C18SH 10um 250 x 4.6mm
2504F180PS100	ProntoSIL 120-10-C18SH 10um 250 x 4.0mm
2503F180PS100	ProntoSIL 120-10-C18SH 10um 250 x 3.0mm
2502F180PS100	ProntoSIL 120-10-C18SH 10um 250 x 2.0mm
3046F180PS100	ProntoSIL 120-10-C18SH 10um 300 x 4.6mm
3004F180PS100	ProntoSIL 120-10-C18SH 10um 300 x 4.0mm
3003F180PS100	ProntoSIL 120-10-C18SH 10um 300 x 3.0mm
3002F180PS100	ProntoSIL 120-10-C18SH 10um 300 x 2.0mm
10P4F180PS100	ProntoSIL 120-10-C18SH PEEK column 10um 100 x 4.0mm
12P4F180PS100	ProntoSIL 120-10-C18SH PEEK column 10um 125 x 4.0mm
15P4F180PS100	ProntoSIL 120-10-C18SH PEEK column 10um 150 x 4.0mm
20P4F180PS100	ProntoSIL 120-10-C18SH PEEK column 10um 200 x 4.0mm
25P4F180PS100	ProntoSIL 120-10-C18SH PEEK column 10um 250 x 4.0mm
30P4F180PS100	ProntoSIL 120-10-C18SH PEEK column 10um 300 x 4.0mm
0146F080PS030	ProntoSIL 120-3-C8 SH Guard 3um 14 x 4.6mm
0104F080PS030	ProntoSIL 120-3-C8 SH Guard 3um 14 x 4.0mm
1046F080PS030	ProntoSIL 120-3-C8 SH 3um 100 x 4.6mm
1004F080PS030	ProntoSIL 120-3-C8 SH 3um 100 x 4.0mm
1003F080PS030	ProntoSIL 120-3-C8 SH 3um 100 x 3.0mm
1002F080PS030	ProntoSIL 120-3-C8 SH 3um 100 x 2.0mm
1246F080PS030	ProntoSIL 120-3-C8 SH 3um 125 x 4.6mm
1204F080PS030	ProntoSIL 120-3-C8 SH 3um 125 x 4.0mm
1203F080PS030	ProntoSIL 120-3-C8 SH 3um 125 x 3.0mm
1202F080PS030	ProntoSIL 120-3-C8 SH 3um 125 x 2.0mm
1546F080PS030	ProntoSIL 120-3-C8 SH 3um 150 x 4.6mm
1504F080PS030	ProntoSIL 120-3-C8 SH 3um 150 x 4.0mm
1503F080PS030	ProntoSIL 120-3-C8 SH 3um 150 x 3.0mm
1502F080PS030	ProntoSIL 120-3-C8 SH 3um 150 x 2.0mm
2046F080PS030	ProntoSIL 120-3-C8 SH 3um 200 x 4.6mm
2004F080PS030	ProntoSIL 120-3-C8 SH 3um 200 x 4.0mm
2003F080PS030	ProntoSIL 120-3-C8 SH 3um 200 x 3.0mm
2002F080PS030	ProntoSIL 120-3-C8 SH 3um 200 x 2.0mm
2546F080PS030	ProntoSIL 120-3-C8 SH 3um 250 x 4.6mm
2504F080PS030	ProntoSIL 120-3-C8 SH 3um 250 x 4.0mm
2503F080PS030	ProntoSIL 120-3-C8 SH 3um 250 x 3.0mm
2502F080PS030	ProntoSIL 120-3-C8 SH 3um 250 x 2.0mm
10P4F080PS030	ProntoSIL 120-3-C8 SH PEEK column 3um 100 x 4.0mm

PART NUMBER	DESCRIPTION
12P4F080PS030	ProntoSIL 120-3-C8 SH PEEK column 3um 125 x 4.0mm
15P4F080PS030	ProntoSIL 120-3-C8 SH PEEK column 3um 150 x 4.0mm
20P4F080PS030	ProntoSIL 120-3-C8 SH PEEK column 3um 200 x 4.0mm
25P4F080PS030	ProntoSIL 120-3-C8 SH PEEK column 3um 250 x 4.0mm
0146C080PS050	ProntoSIL 60-5-C8 SH Guard 5um 14 x 4.6mm
0104C080PS050	ProntoSIL 60-5-C8 SH Guard 5um 14 x 4.0mm
1046C080PS050	ProntoSIL 60-5-C8 SH 5um 100 x 4.6mm
1004C080PS050	ProntoSIL 60-5-C8 SH 5um 100 x 4.0mm
1003C080PS050	ProntoSIL 60-5-C8 SH 5um 100 x 3.0mm
1002C080PS050	ProntoSIL 60-5-C8 SH 5um 100 x 2.0mm
1246C080PS050	ProntoSIL 60-5-C8 SH 5um 125 x 4.6mm
1204C080PS050	ProntoSIL 60-5-C8 SH 5um 125 x 4.0mm
1203C080PS050	ProntoSIL 60-5-C8 SH 5um 125 x 3.0mm
1202C080PS050	ProntoSIL 60-5-C8 SH 5um 125 x 2.0mm
1546C080PS050	ProntoSIL 60-5-C8 SH 5um 150 x 4.6mm
1504C080PS050	ProntoSIL 60-5-C8 SH 5um 150 x 4.0mm
1503C080PS050	ProntoSIL 60-5-C8 SH 5um 150 x 3.0mm
1502C080PS050	ProntoSIL 60-5-C8 SH 5um 150 x 2.0mm
2046C080PS050	ProntoSIL 60-5-C8 SH 5um 200 x 4.6mm
2004C080PS050	ProntoSIL 60-5-C8 SH 5um 200 x 4.0mm
2003C080PS050	ProntoSIL 60-5-C8 SH 5um 200 x 3.0mm
2002C080PS050	ProntoSIL 60-5-C8 SH 5um 200 x 2.0mm
2546C080PS050	ProntoSIL 60-5-C8 SH 5um 250 x 4.6mm
2504C080PS050	ProntoSIL 60-5-C8 SH 5um 250 x 4.0mm
2503C080PS050	ProntoSIL 60-5-C8 SH 5um 250 x 3.0mm
2502C080PS050	ProntoSIL 60-5-C8 SH 5um 250 x 2.0mm
3046C080PS050	ProntoSIL 60-5-C8 SH 5um 300 x 4.6mm
3004C080PS050	ProntoSIL 60-5-C8 SH 5um 300 x 4.0mm
3003C080PS050	ProntoSIL 60-5-C8 SH 5um 300 x 3.0mm
3002C080PS050	ProntoSIL 60-5-C8 SH 5um 300 x 2.0mm
10P4C080PS050	ProntoSIL 60-5-C8 SH PEEK column 5um 100 x 4.0mm
12P4C080PS050	ProntoSIL 60-5-C8 SH PEEK column 5um 125 x 4.0mm
15P4C080PS050	ProntoSIL 60-5-C8 SH PEEK column 5um 150 x 4.0mm
20P4C080PS050	ProntoSIL 60-5-C8 SH PEEK column 5um 200 x 4.0mm
25P4C080PS050	ProntoSIL 60-5-C8 SH PEEK column 5um 250 x 4.0mm
30P4C080PS050	ProntoSIL 60-5-C8 SH PEEK column 5um 300 x 4.0mm
0146F080PS050	ProntoSIL 120-5-C8 SH Guard 5um 14 x 4.6mm
0104F080PS050	ProntoSIL 120-5-C8 SH Guard 5um 14 x 4.0mm
1046F080PS050	ProntoSIL 120-5-C8 SH 5um 100 x 4.6mm
1004F080PS050	ProntoSIL 120-5-C8 SH 5um 100 x 4.0mm
1003F080PS050	ProntoSIL 120-5-C8 SH 5um 100 x 3.0mm
1002F080PS050	ProntoSIL 120-5-C8 SH 5um 100 x 2.0mm
1246F080PS050	ProntoSIL 120-5-C8 SH 5um 125 x 4.6mm
1204F080PS050	ProntoSIL 120-5-C8 SH 5um 125 x 4.0mm

PART NUMBER	DESCRIPTION
1203F080PS050	ProntoSIL 120-5-C8 SH 5um 125 x 3.0mm
1202F080PS050	ProntoSIL 120-5-C8 SH 5um 125 x 2.0mm
1546F080PS050	ProntoSIL 120-5-C8 SH 5um 150 x 4.6mm
1504F080PS050	ProntoSIL 120-5-C8 SH 5um 150 x 4.0mm
1503F080PS050	ProntoSIL 120-5-C8 SH 5um 150 x 3.0mm
1502F080PS050	ProntoSIL 120-5-C8 SH 5um 150 x 2.0mm
2046F080PS050	ProntoSIL 120-5-C8 SH 5um 200 x 4.6mm
2004F080PS050	ProntoSIL 120-5-C8 SH 5um 200 x 4.0mm
2003F080PS050	ProntoSIL 120-5-C8 SH 5um 200 x 3.0mm
2002F080PS050	ProntoSIL 120-5-C8 SH 5um 200 x 2.0mm
2546F080PS050	ProntoSIL 120-5-C8 SH 5um 250 x 4.6mm
2504F080PS050	ProntoSIL 120-5-C8 SH 5um 250 x 4.0mm
2503F080PS050	ProntoSIL 120-5-C8 SH 5um 250 x 3.0mm
2502F080PS050	ProntoSIL 120-5-C8 SH 5um 250 x 2.0mm
3046F080PS050	ProntoSIL 120-5-C8 SH 5um 300 x 4.6mm
3004F080PS050	ProntoSIL 120-5-C8 SH 5um 300 x 4.0mm
3003F080PS050	ProntoSIL 120-5-C8 SH 5um 300 x 3.0mm
3002F080PS050	ProntoSIL 120-5-C8 SH 5um 300 x 2.0mm
10P4F080PS050	ProntoSIL 120-5-C8 SH PEEK column 5um 100 x 4.0mm
12P4F080PS050	ProntoSIL 120-5-C8 SH PEEK column 5um 125 x 4.0mm
15P4F080PS050	ProntoSIL 120-5-C8 SH PEEK column 5um 150 x 4.0mm
20P4F080PS050	ProntoSIL 120-5-C8 SH PEEK column 5um 200 x 4.0mm
25P4F080PS050	ProntoSIL 120-5-C8 SH PEEK column 5um 250 x 4.0mm
30P4F080PS050	ProntoSIL 120-5-C8 SH PEEK column 5um 300 x 4.0mm
0146F080PS100	ProntoSIL 120-10-C8 SH Guard 10um 14 x 4.6mm
0104F080PS100	ProntoSIL 120-10-C8 SH Guard 10um 14 x 4.0mm
1046F080PS100	ProntoSIL 120-10-C8 SH 10um 100 x 4.6mm
1004F080PS100	ProntoSIL 120-10-C8 SH 10um 100 x 4.0mm
1003F080PS100	ProntoSIL 120-10-C8 SH 10um 100 x 3.0mm
1002F080PS100	ProntoSIL 120-10-C8 SH 10um 100 x 2.0mm
1246F080PS100	ProntoSIL 120-10-C8 SH 10um 125 x 4.6mm
1204F080PS100	ProntoSIL 120-10-C8 SH 10um 125 x 4.0mm
1203F080PS100	ProntoSIL 120-10-C8 SH 10um 125 x 3.0mm
1202F080PS100	ProntoSIL 120-10-C8 SH 10um 125 x 2.0mm
1546F080PS100	ProntoSIL 120-10-C8 SH 10um 150 x 4.6mm
1504F080PS100	ProntoSIL 120-10-C8 SH 10um 150 x 4.0mm
1503F080PS100	ProntoSIL 120-10-C8 SH 10um 150 x 3.0mm
1502F080PS100	ProntoSIL 120-10-C8 SH 10um 150 x 2.0mm
2046F080PS100	ProntoSIL 120-10-C8 SH 10um 200 x 4.6mm
2004F080PS100	ProntoSIL 120-10-C8 SH 10um 200 x 4.0mm
2003F080PS100	ProntoSIL 120-10-C8 SH 10um 200 x 3.0mm
2002F080PS100	ProntoSIL 120-10-C8 SH 10um 200 x 2.0mm
2546F080PS100	ProntoSIL 120-10-C8 SH 10um 250 x 4.6mm

PART NUMBER	DESCRIPTION
2504F080PS100	ProntoSIL 120-10-C8 SH 10um 250 x 4.0mm
2503F080PS100	ProntoSIL 120-10-C8 SH 10um 250 x 3.0mm
2502F080PS100	ProntoSIL 120-10-C8 SH 10um 250 x 2.0mm
3046F080PS100	ProntoSIL 120-10-C8 SH 10um 300 x 4.6mm
3004F080PS100	ProntoSIL 120-10-C8 SH 10um 300 x 4.0mm
3003F080PS100	ProntoSIL 120-10-C8 SH 10um 300 x 3.0mm
3002F080PS100	ProntoSIL 120-10-C8 SH 10um 300 x 2.0mm
10P4F080PS100	ProntoSIL 120-10-C8 SH PEEK column 10um 100 x 4.0mm
12P4F080PS100	ProntoSIL 120-10-C8 SH PEEK column 10um 125 x 4.0mm
15P4F080PS100	ProntoSIL 120-10-C8 SH PEEK column 10um 150 x 4.0mm
20P4F080PS100	ProntoSIL 120-10-C8 SH PEEK column 10um 200 x 4.0mm
25P4F080PS100	ProntoSIL 120-10-C8 SH PEEK column 10um 250 x 4.0mm
30P4F080PS100	ProntoSIL 120-10-C8 SH PEEK column 10um 300 x 4.0mm
0146H080PS030	ProntoSIL 200-3-C8 SH Guard 3um 14 x 4.6mm
0104H080PS030	ProntoSIL 200-3-C8 SH Guard 3um 14 x 4.0mm
1046H080PS030	ProntoSIL 200-3-C8 SH 3um 100 x 4.6mm
1004H080PS030	ProntoSIL 200-3-C8 SH 3um 100 x 4.6mm
1003H080PS030	ProntoSIL 200-3-C8 SH 3um 100 x 3.0mm
1002H080PS030	ProntoSIL 200-3-C8 SH 3um 100 x 2.0mm
1246H080PS030	ProntoSIL 200-3-C8 SH 3um 125 x 4.6mm
1204H080PS030	ProntoSIL 200-3-C8 SH 3um 125 x 4.0mm
1203H080PS030	ProntoSIL 200-3-C8 SH 3um 125 x 3.0mm
1202H080PS030	ProntoSIL 200-3-C8 SH 3um 125 x 2.0mm
1546H080PS030	ProntoSIL 200-3-C8 SH 3um 150 x 4.6mm
1504H080PS030	ProntoSIL 200-3-C8 SH 3um 150 x 4.0mm
1503H080PS030	ProntoSIL 200-3-C8 SH 3um 150 x 3.0mm
1502H080PS030	ProntoSIL 200-3-C8 SH 3um 150 x 2.0mm
2046H080PS030	ProntoSIL 200-3-C8 SH 3um 200 x 4.6mm
2004H080PS030	ProntoSIL 200-3-C8 SH 3um 200 x 4.0mm
2003H080PS030	ProntoSIL 200-3-C8 SH 3um 200 x 3.0mm
2002H080PS030	ProntoSIL 200-3-C8 SH 3um 200 x 2.0mm
2546H080PS030	ProntoSIL 200-3-C8 SH 3um 250 x 4.6mm
2504H080PS030	ProntoSIL 200-3-C8 SH 3um 250 x 4.0mm
2503H080PS030	ProntoSIL 200-3-C8 SH 3um 250 x 3.0mm
2502H080PS030	ProntoSIL 200-3-C8 SH 3um 250 x 2.0mm
10P4H080PS030	ProntoSIL 200-3-C8 SH PEEK column 3um 100 x 4.0mm
12P4H080PS030	ProntoSIL 200-3-C8 SH PEEK column 3um 125 x 4.0mm
15P4H080PS030	ProntoSIL 200-3-C8 SH PEEK column 3um 150 x 4.0mm
20P4H080PS030	ProntoSIL 200-3-C8 SH PEEK column 3um 200 x 4.0mm
25P4H080PS030	ProntoSIL 200-3-C8 SH PEEK column 3um 250 x 4.0mm

PART NUMBER	DESCRIPTION
0146H080PS050	ProntoSIL 200-5-C8 SH Guard 5um 14 x 4.6mm
0104H080PS050	ProntoSIL 200-5-C8 SH Guard 5um 14 x 4.0mm
1046H080PS050	ProntoSIL 200-5-C8 SH 5um 100 x 4.6mm
1004H080PS050	ProntoSIL 200-5-C8 SH 5um 100 x 4.0mm
1003H080PS050	ProntoSIL 200-5-C8 SH 5um 100 x 3.0mm
1002H080PS050	ProntoSIL 200-5-C8 SH 5um 100 x 2.0mm
1246H080PS050	ProntoSIL 200-5-C8 SH 5um 125 x 4.6mm
1204H080PS050	ProntoSIL 200-5-C8 SH 5um 125 x 4.0mm
1203H080PS050	ProntoSIL 200-5-C8 SH 5um 125 x 3.0mm
1202H080PS050	ProntoSIL 200-5-C8 SH 5um 125 x 2.0mm
1546H080PS050	ProntoSIL 200-5-C8 SH 5um 150 x 4.6mm
1504H080PS050	ProntoSIL 200-5-C8 SH 5um 150 x 4.0mm
1503H080PS050	ProntoSIL 200-5-C8 SH 5um 150 x 3.0mm
1502H080PS050	ProntoSIL 200-5-C8 SH 5um 150 x 2.0mm
2046H080PS050	ProntoSIL 200-5-C8 SH 5um 200 x 4.6mm
2004H080PS050	ProntoSIL 200-5-C8 SH 5um 200 x 4.0mm
2003H080PS050	ProntoSIL 200-5-C8 SH 5um 200 x 3.0mm
2002H080PS050	ProntoSIL 200-5-C8 SH 5um 200 x 2.0mm
2546H080PS050	ProntoSIL 200-5-C8 SH 5um 250 x 4.6mm
2504H080PS050	ProntoSIL 200-5-C8 SH 5um 250 x 4.0mm
2503H080PS050	ProntoSIL 200-5-C8 SH 5um 250 x 3.0mm
2502H080PS050	ProntoSIL 200-5-C8 SH 5um 250 x 2.0mm
3046H080PS050	ProntoSIL 200-5-C8 SH 5um 300 x 4.6mm
3004H080PS050	ProntoSIL 200-5-C8 SH 5um 300 x 4.0mm
3003H080PS050	ProntoSIL 200-5-C8 SH 5um 300 x 3.0mm
3002H080PS050	ProntoSIL 200-5-C8 SH 5um 300 x 2.0mm
10P4H080PS050	ProntoSIL 200-5-C8 SH PEEK column 5um 100 x 4.0mm
12P4H080PS050	ProntoSIL 200-5-C8 SH PEEK column 5um 125 x 4.0mm
15P4H080PS050	ProntoSIL 200-5-C8 SH PEEK column 5um 150 x 4.0mm
20P4H080PS050	ProntoSIL 200-5-C8 SH PEEK column 5um 200 x 4.0mm
25P4H080PS050	ProntoSIL 200-5-C8 SH PEEK column 5um 250 x 4.0mm
30P4H080PS050	ProntoSIL 200-5-C8 SH PEEK column 5um 300 x 4.0mm
0146K080PS030	ProntoSIL 300-3-C8 SH Guard 3um 14 x 4.6mm
0104K080PS030	ProntoSIL 300-3-C8 SH Guard 3um 14 x 4.0mm
1046K080PS030	ProntoSIL 300-3-C8 SH 3um 100 x 4.6mm
1004K080PS030	ProntoSIL 300-3-C8 SH 3um 100 x 4.6mm
1003K080PS030	ProntoSIL 300-3-C8 SH 3um 100 x 3.0mm
1002K080PS030	ProntoSIL 300-3-C8 SH 3um 100 x 2.0mm
1246K080PS030	ProntoSIL 300-3-C8 SH 3um 125 x 4.6mm
1204K080PS030	ProntoSIL 300-3-C8 SH 3um 125 x 4.0mm
1203K080PS030	ProntoSIL 300-3-C8 SH 3um 125 x 3.0mm
1202K080PS030	ProntoSIL 300-3-C8 SH 3um 125 x 2.0mm
1546K080PS030	ProntoSIL 300-3-C8 SH 3um 150 x 4.6mm

PART NUMBER	DESCRIPTION
1504K080PS030	ProntoSIL 300-3-C8 SH 3um 150 x 4.0mm
1503K080PS030	ProntoSIL 300-3-C8 SH 3um 150 x 3.0mm
1502K080PS030	ProntoSIL 300-3-C8 SH 3um 150 x 2.0mm
2046K080PS030	ProntoSIL 300-3-C8 SH 3um 200 x 4.6mm
2004K080PS030	ProntoSIL 300-3-C8 SH 3um 200 x 4.0mm
2003K080PS030	ProntoSIL 300-3-C8 SH 3um 200 x 3.0mm
2002K080PS030	ProntoSIL 300-3-C8 SH 3um 200 x 2.0mm
2546K080PS030	ProntoSIL 300-3-C8 SH 3um 250 x 4.6mm
2504K080PS030	ProntoSIL 300-3-C8 SH 3um 250 x 4.0mm
2503K080PS030	ProntoSIL 300-3-C8 SH 3um 250 x 3.0mm
2502K080PS030	ProntoSIL 300-3-C8 SH 3um 250 x 2.0mm
10P4K080PS030	ProntoSIL 300-3-C8 SH PEEK column 3um 100 x 4.0mm
12P4K080PS030	ProntoSIL 300-3-C8 SH PEEK column 3um 125 x 4.0mm
15P4K080PS030	ProntoSIL 300-3-C8 SH PEEK column 3um 150 x 4.0mm
20P4K080PS030	ProntoSIL 300-3-C8 SH PEEK column 3um 200 x 4.0mm
25P4K080PS030	ProntoSIL 300-3-C8 SH PEEK column 3um 250 x 4.0mm
0146K080PS050	ProntoSIL 300-5-C8 SH Guard 5um 14 x 4.6mm
0104K080PS050	ProntoSIL 300-5-C8 SH Guard 5um 14 x 4.0mm
1046K080PS050	ProntoSIL 300-5-C8 SH 5um 100 x 4.6mm
1004K080PS050	ProntoSIL 300-5-C8 SH 5um 100 x 4.0mm
1003K080PS050	ProntoSIL 300-5-C8 SH 5um 100 x 3.0mm
1002K080PS050	ProntoSIL 300-5-C8 SH 5um 100 x 2.0mm
1246K080PS050	ProntoSIL 300-5-C8 SH 5um 125 x 4.6mm
1204K080PS050	ProntoSIL 300-5-C8 SH 5um 125 x 4.0mm
1203K080PS050	ProntoSIL 300-5-C8 SH 5um 125 x 3.0mm
1202K080PS050	ProntoSIL 300-5-C8 SH 5um 125 x 2.0mm
1546K080PS050	ProntoSIL 300-5-C8 SH 5um 150 x 4.6mm
1504K080PS050	ProntoSIL 300-5-C8 SH 5um 150 x 4.0mm
1503K080PS050	ProntoSIL 300-5-C8 SH 5um 150 x 3.0mm
1502K080PS050	ProntoSIL 300-5-C8 SH 5um 150 x 2.0mm
2046K080PS050	ProntoSIL 300-5-C8 SH 5um 200 x 4.6mm
2004K080PS050	ProntoSIL 300-5-C8 SH 5um 200 x 4.0mm
2003K080PS050	ProntoSIL 300-5-C8 SH 5um 200 x 3.0mm
2002K080PS050	ProntoSIL 300-5-C8 SH 5um 200 x 2.0mm
2546K080PS050	ProntoSIL 300-5-C8 SH 5um 250 x 4.6mm
2504K080PS050	ProntoSIL 300-5-C8 SH 5um 250 x 4.0mm
2503K080PS050	ProntoSIL 300-5-C8 SH 5um 250 x 3.0mm
2502K080PS050	ProntoSIL 300-5-C8 SH 5um 250 x 2.0mm
3046K080PS050	ProntoSIL 300-5-C8 SH 5um 300- x 4.6mm
3004K080PS050	ProntoSIL 300-5-C8 SH 5um 300- x 4.0mm
3003K080PS050	ProntoSIL 300-5-C8 SH 5um 300- x 3.0mm
3002K080PS050	ProntoSIL 300-5-C8 SH 5um 300- x 2.0mm
10P4K080PS050	ProntoSIL 300-5-C8 SH PEEK column 5um 100 x 4.0mm

PART NUMBER	DESCRIPTION
12P4K080PS050	ProntoSIL 300-5-C8 SH PEEK column 5um 125 x 4.0mm
15P4K080PS050	ProntoSIL 300-5-C8 SH PEEK column 5um 150 x 4.0mm
20P4K080PS050	ProntoSIL 300-5-C8 SH PEEK column 5um 200 x 4.0mm
25P4K080PS050	ProntoSIL 300-5-C8 SH PEEK column 5um 250 x 4.0mm
30P4K080PS050	ProntoSIL 300-5-C8 SH PEEK column 5um 300 x 4.0mm

ProntoSIL C18 AQ Columns(60A, 120A, 200A, 300A)

PART NUMBER	DESCRIPTION
0146F184PS030	ProntoSIL 120-3-C18AQ Guard 3um 14 x 4.6mm
0104F184PS030	ProntoSIL 120-3-C18AQ Guard 3um 14 x 4.0mm
1046F184PS030	ProntoSIL 120-3-C18AQ 3um 100 x 4.6mm
1004F184PS030	ProntoSIL 120-3-C18AQ 3um 100 x 4.0mm
1003F184PS030	ProntoSIL 120-3-C18AQ 3um 100 x 3.0mm
1002F184PS030	ProntoSIL 120-3-C18AQ 3um 100 x 2.0mm
1246F184PS030	ProntoSIL 120-3-C18AQ 3um 125 x 4.6mm
1204F184PS030	ProntoSIL 120-3-C18AQ 3um 125 x 4.0mm
1203F184PS030	ProntoSIL 120-3-C18AQ 3um 125 x 3.0mm
1202F184PS030	ProntoSIL 120-3-C18AQ 3um 125 x 2.0mm
1546F184PS030	ProntoSIL 120-3-C18AQ 3um 150 x 4.6mm
1504F184PS030	ProntoSIL 120-3-C18AQ 3um 150 x 4.0mm
1503F184PS030	ProntoSIL 120-3-C18AQ 3um 150 x 3.0mm
1502F184PS030	ProntoSIL 120-3-C18AQ 3um 150 x 2.0mm
2046F184PS030	ProntoSIL 120-3-C18AQ 3um 200 x 4.6mm
2004F184PS030	ProntoSIL 120-3-C18AQ 3um 200 x 4.0mm
2003F184PS030	ProntoSIL 120-3-C18AQ 3um 200 x 3.0mm
2002F184PS030	ProntoSIL 120-3-C18AQ 3um 200 x 2.0mm
2546F184PS030	ProntoSIL 120-3-C18AQ 3um 250 x 4.6mm
2504F184PS030	ProntoSIL 120-3-C18AQ 3um 250 x 4.0mm
2503F184PS030	ProntoSIL 120-3-C18AQ 3um 250 x 3.0mm
2502F184PS030	ProntoSIL 120-3-C18AQ 3um 250 x 2.0mm
10P4F184PS030	ProntoSIL 120-3-C18AQ PEEK column 3um 100 x 4.0mm
12P4F184PS030	ProntoSIL 120-3-C18AQ PEEK column 3um 125 x 4.0mm
15P4F184PS030	ProntoSIL 120-3-C18AQ PEEK column 3um 150 x 4.0mm
20P4F184PS030	ProntoSIL 120-3-C18AQ PEEK column 3um 200 x 4.0mm

PART NUMBER	DESCRIPTION
25P4F184PS030	ProntoSIL 120-3-C18AQ PEEK column 3um 250 x 4.0mm
0146F184PS050	ProntoSIL 120-5-C18AQ Guard 5um 14 x 4.6mm
0104F184PS050	ProntoSIL 120-5-C18AQ Guard 5um 14 x 4.0mm
1046F184PS050	ProntoSIL 120-5-C18AQ 5um 100 x 4.6mm
1004F184PS050	ProntoSIL 120-5-C18AQ 5um 100 x 4.0mm
1003F184PS050	ProntoSIL 120-5-C18AQ 5um 100 x 3.0mm
1002F184PS050	ProntoSIL 120-5-C18AQ 5um 100 x 2.0mm
1246F184PS050	ProntoSIL 120-5-C18AQ 5um 125 x 4.6mm
1204F184PS050	ProntoSIL 120-5-C18AQ 5um 125 x 4.0mm
1203F184PS050	ProntoSIL 120-5-C18AQ 5um 125 x 3.0mm
1202F184PS050	ProntoSIL 120-5-C18AQ 5um 125 x 2.0mm
1546F184PS050	ProntoSIL 120-5-C18AQ 5um 150 x 4.6mm
1504F184PS050	ProntoSIL 120-5-C18AQ 5um 150 x 4.0mm
1503F184PS050	ProntoSIL 120-5-C18AQ 5um 150 x 3.0mm
1502F184PS050	ProntoSIL 120-5-C18AQ 5um 150 x 2.0mm
2046F184PS050	ProntoSIL 120-5-C18AQ 5um 200 x 4.6mm
2004F184PS050	ProntoSIL 120-5-C18AQ 5um 200 x 4.0mm
2003F184PS050	ProntoSIL 120-5-C18AQ 5um 200 x 3.0mm
2002F184PS050	ProntoSIL 120-5-C18AQ 5um 200 x 2.0mm
2546F184PS050	ProntoSIL 120-5-C18AQ 5um 250 x 4.6mm
2504F184PS050	ProntoSIL 120-5-C18AQ 5um 250 x 4.0mm
2503F184PS050	ProntoSIL 120-5-C18AQ 5um 250 x 3.0mm
2502F184PS050	ProntoSIL 120-5-C18AQ 5um 250 x 2.0mm
3046F184PS050	ProntoSIL 120-5-C18AQ 5um 300 x 4.6mm
3004F184PS050	ProntoSIL 120-5-C18AQ 5um 300 x 4.0mm
3003F184PS050	ProntoSIL 120-5-C18AQ 5um 300 x 3.0mm
3002F184PS050	ProntoSIL 120-5-C18AQ 5um 300 x 2.0mm

PART NUMBER	DESCRIPTION
10P4F184PS050	ProntoSIL 120-5-C18AQ PEEK column 5um 100 x 4.0mm
12P4F184PS050	ProntoSIL 120-5-C18AQ PEEK column 5um 125 x 4.0mm
15P4F184PS050	ProntoSIL 120-5-C18AQ PEEK column 5um 150 x 4.0mm
20P4F184PS050	ProntoSIL 120-5-C18AQ PEEK column 5um 200 x 4.0mm
25P4F184PS050	ProntoSIL 120-5-C18AQ PEEK column 5um 250 x 4.0mm
30P4F184PS050	ProntoSIL 120-5-C18AQ PEEK column 5um 300 x 4.0mm
0146F184PS100	ProntoSIL 120-10-C18AQ Guard 10um 14 x 4.6mm
0104F184PS100	ProntoSIL 120-10-C18AQ Guard 10um 14 x 4.0mm
1046F184PS100	ProntoSIL 120-10-C18AQ 10um 100 x 4.6mm
1004F184PS100	ProntoSIL 120-10-C18AQ 10um 100 x 4.0mm
1003F184PS100	ProntoSIL 120-10-C18AQ 10um 100 x 3.0mm
1002F184PS100	ProntoSIL 120-10-C18AQ 10um 100 x 2.0mm
1246F184PS100	ProntoSIL 120-10-C18AQ 10um 125 x 4.6mm
1204F184PS100	ProntoSIL 120-10-C18AQ 10um 125 x 4.0mm
1203F184PS100	ProntoSIL 120-10-C18AQ 10um 125 x 3.0mm
1202F184PS100	ProntoSIL 120-10-C18AQ 10um 125 x 2.0mm
1546F184PS100	ProntoSIL 120-10-C18AQ 10um 150 x 4.6mm
1504F184PS100	ProntoSIL 120-10-C18AQ 10um 150 x 4.0mm
1503F184PS100	ProntoSIL 120-10-C18AQ 10um 150 x 3.0mm
1502F184PS100	ProntoSIL 120-10-C18AQ 10um 150 x 2.0mm
2046F184PS100	ProntoSIL 120-10-C18AQ 10um 200 x 4.6mm
2004F184PS100	ProntoSIL 120-10-C18AQ 10um 200 x 4.0mm
2003F184PS100	ProntoSIL 120-10-C18AQ 10um 200 x 3.0mm
2002F184PS100	ProntoSIL 120-10-C18AQ 10um 200 x 2.0mm
2546F184PS100	ProntoSIL 120-10-C18AQ 10um 250 x 4.6mm
2504F184PS100	ProntoSIL 120-10-C18AQ 10um 250 x 4.0mm
2503F184PS100	ProntoSIL 120-10-C18AQ 10um 250 x 3.0mm
2502F184PS100	ProntoSIL 120-10-C18AQ 10um 250 x 2.0mm
3046F184PS100	ProntoSIL 120-10-C18AQ 10um 300 x 4.6mm
3004F184PS100	ProntoSIL 120-10-C18AQ 10um 300 x 4.0mm
3003F184PS100	ProntoSIL 120-10-C18AQ 10um 300 x 3.0mm
3002F184PS100	ProntoSIL 120-10-C18AQ 10um 300 x 2.0mm
10P4F184PS100	ProntoSIL 120-10-C18AQ PEEK column 10um 100 x 4.0mm
12P4F184PS100	ProntoSIL 120-10-C18AQ PEEK column 10um 125 x 4.0mm
15P4F184PS100	ProntoSIL 120-10-C18AQ PEEK column 10um 150 x 4.0mm
20P4F184PS100	ProntoSIL 120-10-C18AQ PEEK column 10um 200 x 4.0mm
25P4F184PS100	ProntoSIL 120-10-C18AQ PEEK column 10um 250 x 4.0mm
30P4F184PS100	ProntoSIL 120-10-C18AQ PEEK column 10um 300 x 4.0mm
0146F183PS050	ProntoSIL 120-5-C18AQ plus Guard 5um 14 x 4.6mm
0104F183PS050	ProntoSIL 120-5-C18AQ plus Guard 5um 14 x 4.0mm
1046F183PS050	ProntoSIL 120-5-C18AQ plus 5um 100 x 4.6mm
1004F183PS050	ProntoSIL 120-5-C18AQ plus 5um 100 x 4.0mm
1003F183PS050	ProntoSIL 120-5-C18AQ plus 5um 100 x 3.0mm
1002F183PS050	ProntoSIL 120-5-C18AQ plus 5um 100 x 2.0mm
1246F183PS050	ProntoSIL 120-5-C18AQ plus 5um 125 x 4.6mm
1204F183PS050	ProntoSIL 120-5-C18AQ plus 5um 125 x 4.0mm
1203F183PS050	ProntoSIL 120-5-C18AQ plus 5um 125 x 3.0mm
1202F183PS050	ProntoSIL 120-5-C18AQ plus 5um 125 x 2.0mm
1546F183PS050	ProntoSIL 120-5-C18AQ plus 5um 150 x 4.6mm
1504F183PS050	ProntoSIL 120-5-C18AQ plus 5um 150 x 4.0mm
1503F183PS050	ProntoSIL 120-5-C18AQ plus 5um 150 x 3.0mm
1502F183PS050	ProntoSIL 120-5-C18AQ plus 5um 150 x 2.0mm
2046F183PS050	ProntoSIL 120-5-C18AQ plus 5um 200 x 4.6mm
2004F183PS050	ProntoSIL 120-5-C18AQ plus 5um 200 x 4.0mm
2003F183PS050	ProntoSIL 120-5-C18AQ plus 5um 200 x 3.0mm
2002F183PS050	ProntoSIL 120-5-C18AQ plus 5um 200 x 2.0mm
2546F183PS050	ProntoSIL 120-5-C18AQ plus 5um 250 x 4.6mm
2504F183PS050	ProntoSIL 120-5-C18AQ plus 5um 250 x 4.0mm
2503F183PS050	ProntoSIL 120-5-C18AQ plus 5um 250 x 3.0mm
2502F183PS050	ProntoSIL 120-5-C18AQ plus 5um 250 x 2.0mm
3046F183PS050	ProntoSIL 120-5-C18AQ plus 5um 300 x 4.6mm
3004F183PS050	ProntoSIL 120-5-C18AQ plus 5um 300 x 4.0mm
3003F183PS050	ProntoSIL 120-5-C18AQ plus 5um 300 x 3.0mm
3002F183PS050	ProntoSIL 120-5-C18AQ plus 5um 300 x 2.0mm
10P4F183PS050	ProntoSIL 120-5-C18AQ plus PEEK column 5um 100 x 4.0mm
12P4F183PS050	ProntoSIL 120-5-C18AQ plus PEEK column 5um 125 x 4.0mm
15P4F183PS050	ProntoSIL 120-5-C18AQ plus PEEK column 5um 150 x 4.0mm
20P4F183PS050	ProntoSIL 120-5-C18AQ plus PEEK column 5um 200 x 4.0mm
25P4F183PS050	ProntoSIL 120-5-C18AQ plus PEEK column 5um 250 x 4.0mm
30P4F183PS050	ProntoSIL 120-5-C18AQ plus PEEK column 5um 300 x 4.0mm
0146H184PS030	ProntoSIL 200-3-C18AQ Guard 3um 14 x 4.6mm
0104H184PS030	ProntoSIL 200-3-C18AQ Guard 3um 14 x 4.0mm
1046H184PS030	ProntoSIL 200-3-C18AQ 3um 100 x 4.6mm
1004H184PS030	ProntoSIL 200-3-C18AQ 3um 100 x 4.0mm
1003H184PS030	ProntoSIL 200-3-C18AQ 3um 100 x 3.0mm
1002H184PS030	ProntoSIL 200-3-C18AQ 3um 100 x 2.0mm
1246H184PS030	ProntoSIL 200-3-C18AQ 3um 125 x 4.6mm
1204H184PS030	ProntoSIL 200-3-C18AQ 3um 125 x 4.0mm
1203H184PS030	ProntoSIL 200-3-C18AQ 3um 125 x 3.0mm
1202H184PS030	ProntoSIL 200-3-C18AQ 3um 125 x 2.0mm
1546H184PS030	ProntoSIL 200-3-C18AQ 3um 150 x 4.6mm
1504H184PS030	ProntoSIL 200-3-C18AQ 3um 150 x 4.0mm

PART NUMBER	DESCRIPTION
1503H184PS030	ProntoSIL 200-3-C18AQ 3um 150 x 3.0mm
1502H184PS030	ProntoSIL 200-3-C18AQ 3um 150 x 2.0mm
2046H184PS030	ProntoSIL 200-3-C18AQ 3um 200 x 4.6mm
2004H184PS030	ProntoSIL 200-3-C18AQ 3um 200 x 4.0mm
2003H184PS030	ProntoSIL 200-3-C18AQ 3um 200 x 3.0mm
2002H184PS030	ProntoSIL 200-3-C18AQ 3um 200 x 2.0mm
2546H184PS030	ProntoSIL 200-3-C18AQ 3um 250 x 4.6mm
2504H184PS030	ProntoSIL 200-3-C18AQ 3um 250 x 4.0mm
2503H184PS030	ProntoSIL 200-3-C18AQ 3um 250 x 3.0mm
2502H184PS030	ProntoSIL 200-3-C18AQ 3um 250 x 2.0mm
10P4H184PS030	ProntoSIL 200-3-C18AQ PEEK column 3um 100 x 4.0mm
12P4H184PS030	ProntoSIL 200-3-C18AQ PEEK column 3um 125 x 4.0mm
15P4H184PS030	ProntoSIL 200-3-C18AQ PEEK column 3um 150 x 4.0mm
20P4H184PS030	ProntoSIL 200-3-C18AQ PEEK column 3um 200 x 4.0mm
25P4H184PS030	ProntoSIL 200-3-C18AQ PEEK column 3um 250 x 4.0mm
0146H184PS050	ProntoSIL 200-5-C18AQ Guard 5um 14 x 4.6mm
0104H184PS050	ProntoSIL 200-5-C18AQ Guard 5um 14 x 4.0mm
1046H184PS050	ProntoSIL 200-5-C18AQ 5um 100 x 4.6mm
1004H184PS050	ProntoSIL 200-5-C18AQ 5um 100 x 4.0mm
1003H184PS050	ProntoSIL 200-5-C18AQ 5um 100 x 3.0mm
1002H184PS050	ProntoSIL 200-5-C18AQ 5um 100 x 2.0mm
1246H184PS050	ProntoSIL 200-5-C18AQ 5um 125 x 4.6mm
1204H184PS050	ProntoSIL 200-5-C18AQ 5um 125 x 4.0mm
1203H184PS050	ProntoSIL 200-5-C18AQ 5um 125 x 3.0mm
1202H184PS050	ProntoSIL 200-5-C18AQ 5um 125 x 2.0mm
1546H184PS050	ProntoSIL 200-5-C18AQ 5um 150 x 4.6mm
1504H184PS050	ProntoSIL 200-5-C18AQ 5um 150 x 4.0mm
1503H184PS050	ProntoSIL 200-5-C18AQ 5um 150 x 3.0mm
1502H184PS050	ProntoSIL 200-5-C18AQ 5um 150 x 2.0mm
2046H184PS050	ProntoSIL 200-5-C18AQ 5um 200 x 4.6mm
2004H184PS050	ProntoSIL 200-5-C18AQ 5um 200 x 4.0mm
2003H184PS050	ProntoSIL 200-5-C18AQ 5um 200 x 3.0mm
2002H184PS050	ProntoSIL 200-5-C18AQ 5um 200 x 2.0mm
2546H184PS050	ProntoSIL 200-5-C18AQ 5um 250 x 4.6mm
2504H184PS050	ProntoSIL 200-5-C18AQ 5um 250 x 4.0mm
2503H184PS050	ProntoSIL 200-5-C18AQ 5um 250 x 3.0mm
2502H184PS050	ProntoSIL 200-5-C18AQ 5um 250 x 2.0mm
3046H184PS050	ProntoSIL 200-5-C18AQ 5um 300 x 4.6mm
3004H184PS050	ProntoSIL 200-5-C18AQ 5um 300 x 4.0mm
3003H184PS050	ProntoSIL 200-5-C18AQ 5um 300 x 3.0mm
3002H184PS050	ProntoSIL 200-5-C18AQ 5um 300 x 2.0mm
10P4H184PS050	ProntoSIL 200-5-C18AQ PEEK column 5um 100 x 4.0mm
12P4H184PS050	ProntoSIL 200-5-C18AQ PEEK column 5um 125 x 4.0mm
15P4H184PS050	ProntoSIL 200-5-C18AQ PEEK column 5um 150 x 4.0mm
20P4H184PS050	ProntoSIL 200-5-C18AQ PEEK column 5um 200 x 4.0mm
25P4H184PS050	ProntoSIL 200-5-C18AQ PEEK column 5um 250 x 4.0mm
30P4H184PS050	ProntoSIL 200-5-C18AQ PEEK column 5um 300 x 4.0mm

ProntoSIL Enviro C18 Columns(5um, 6um, 7um)

PART NUMBER	DESCRIPTION
1204E440EV070	Enviro-PHE 100-7-C18 7um 125 x 4.0mm
1203E440EV070	Enviro-PHE 100-7-C18 7um 125 x 3.1mm
1202E440EV070	Enviro-PHE 100-7-C18 7um 125 x 2.1mm
2504E440EV070	Enviro-PHE 100-7-C18 7um 250 x 4.0mm
2503E440EV070	Enviro-PHE 100-7-C18 7um 250 x 3.1mm
2502E440EV070	Enviro-PHE 100-7-C18 7um 250 x 2.1mm
2504E430EV050	Enviro-PES 100-5-C18 5um 250 x 4.0mm
2503E430EV050	Enviro-PES 100-5-C18 5um 250 x 3.1mm
2502E430EV050	Enviro-PES 100-5-C18 5um 250 x 2.1mm
1204E420EV060	Enviro-PAH 100-6-C18 6um 125 x 4.0mm
1203E420EV060	Enviro-PAH 100-6-C18 6um 125 x 3.1mm
1202E420EV060	Enviro-PAH 100-6-C18 6um 125 x 2.1mm
2504E420EV060	Enviro-PAH 100-6-C18 6um 250 x 4.0mm
2503E420EV060	Enviro-PAH 100-6-C18 6um 250 x 3.1mm
2502E420EV060	Enviro-PAH 100-6-C18 6um 250 x 2.1mm
2004E460EV060	Enviro-EXP 100-6-C18 6um 200 x 4.0mm
2003E460EV060	Enviro-EXP 100-6-C18 6um 200 x 3.0mm
2002E460EV060	Enviro-EXP 100-6-C18 6um 200 x 2.0mm
2504E460EV060	Enviro-EXP 100-6-C18 6um 250 x 4.0mm
2503E460EV060	Enviro-EXP 100-6-C18 6um 250 x 3.0mm
2502E460EV060	Enviro-EXP 100-6-C18 6um 250 x 2.0mm
2546C450PS050	Enviro-PTL 60-5-5um 250 x 4.6mm

ProntoSIL Hypersorb ODS Columns(3um, 5um)

PART NUMBER	DESCRIPTION
1046F180PY030	ProntoSIL Hypersorb ODS 3um 100 x 4.6mm
1004F180PY030	ProntoSIL Hypersorb ODS 3um 100 x 4.0mm
1003F180PY030	ProntoSIL Hypersorb ODS 3um 100 x 3.0mm
1002F180PY030	ProntoSIL Hypersorb ODS 3um 100 x 2.0mm
1246F180PY030	ProntoSIL Hypersorb ODS 3um 125 x 4.6mm
1204F180PY030	ProntoSIL Hypersorb ODS 3um 125 x 4.0mm
1203F180PY030	ProntoSIL Hypersorb ODS 3um 125 x 3.0mm
1202F180PY030	ProntoSIL Hypersorb ODS 3um 125 x 2.0mm
1546F180PY030	ProntoSIL Hypersorb ODS 3um 150 x 4.6mm
1504F180PY030	ProntoSIL Hypersorb ODS 3um 150 x 4.0mm
1503F180PY030	ProntoSIL Hypersorb ODS 3um 150 x 3.0mm
1502F180PY030	ProntoSIL Hypersorb ODS 3um 150 x 2.0mm
2046F180PY030	ProntoSIL Hypersorb ODS 3um 200 x 4.6mm
2004F180PY030	ProntoSIL Hypersorb ODS 3um 200 x 4.0mm
2003F180PY030	ProntoSIL Hypersorb ODS 3um 200 x 3.0mm
2002F180PY030	ProntoSIL Hypersorb ODS 3um 200 x 2.0mm
2546F180PY030	ProntoSIL Hypersorb ODS 3um 250 x 4.6mm
2504F180PY030	ProntoSIL Hypersorb ODS 3um 250 x 4.0mm
2503F180PY030	ProntoSIL Hypersorb ODS 3um 250 x 3.0mm
2502F180PY030	ProntoSIL Hypersorb ODS 3um 250 x 2.0mm
1046F180PY050	ProntoSIL Hypersorb ODS 5um 100 x 4.6mm
1004F180PY050	ProntoSIL Hypersorb ODS 5um 100 x 4.0mm
1003F180PY050	ProntoSIL Hypersorb ODS 5um 100 x 3.0mm
1002F180PY050	ProntoSIL Hypersorb ODS 5um 100 x 2.0mm
1246F180PY050	ProntoSIL Hypersorb ODS 5um 125 x 4.6mm
1204F180PY050	ProntoSIL Hypersorb ODS 5um 125 x 4.0mm
1203F180PY050	ProntoSIL Hypersorb ODS 5um 125 x 3.0mm
1202F180PY050	ProntoSIL Hypersorb ODS 5um 125 x 2.0mm
1546F180PY050	ProntoSIL Hypersorb ODS 5um 150 x 4.6mm
1504F180PY050	ProntoSIL Hypersorb ODS 5um 150 x 4.0mm
1503F180PY050	ProntoSIL Hypersorb ODS 5um 150 x 3.0mm
1502F180PY050	ProntoSIL Hypersorb ODS 5um 150 x 2.0mm
2046F180PY050	ProntoSIL Hypersorb ODS 5um 200 x 4.6mm
2004F180PY050	ProntoSIL Hypersorb ODS 5um 200 x 4.0mm
2003F180PY050	ProntoSIL Hypersorb ODS 5um 200 x 3.0mm
2002F180PY050	ProntoSIL Hypersorb ODS 5um 200 x 2.0mm
2546F180PY050	ProntoSIL Hypersorb ODS 5um 250 x 4.6mm
2504F180PY050	ProntoSIL Hypersorb ODS 5um 250 x 4.0mm
2503F180PY050	ProntoSIL Hypersorb ODS 5um 250 x 3.0mm
2502F180PY050	ProntoSIL Hypersorb ODS 5um 250 x 2.0mm
3046F180PY050	ProntoSIL Hypersorb ODS 5um 300 x 4.6mm
3004F180PY050	ProntoSIL Hypersorb ODS 5um 300 x 4.0mm
3003F180PY050	ProntoSIL Hypersorb ODS 5um 300 x 3.0mm
3002F180PY050	ProntoSIL Hypersorb ODS 5um 300 x 2.0mm

ProntoSIL Spheribond ODS Columns(3um, 5um, 10um)

PART NUMBER	DESCRIPTION
1046D181SB030	ProntoSIL Spheribond ODS2 3um 100 x 4.6mm
1004D181SB030	ProntoSIL Spheribond ODS2 3um 100 x 4.0mm
1003D181SB030	ProntoSIL Spheribond ODS2 3um 100 x 3.0mm
1002D181SB030	ProntoSIL Spheribond ODS2 3um 100 x 2.0mm
1246D181SB030	ProntoSIL Spheribond ODS2 3um 125 x 4.6mm
1204D181SB030	ProntoSIL Spheribond ODS2 3um 125 x 4.0mm
1203D181SB030	ProntoSIL Spheribond ODS2 3um 125 x 3.0mm
1202D181SB030	ProntoSIL Spheribond ODS2 3um 125 x 2.0mm
1546D181SB030	ProntoSIL Spheribond ODS2 3um 150 x 4.6mm
1504D181SB030	ProntoSIL Spheribond ODS2 3um 150 x 4.0mm
1503D181SB030	ProntoSIL Spheribond ODS2 3um 150 x 3.0mm
1502D181SB030	ProntoSIL Spheribond ODS2 3um 150 x 2.0mm
2046D181SB030	ProntoSIL Spheribond ODS2 3um 200 x 4.6mm
2004D181SB030	ProntoSIL Spheribond ODS2 3um 200 x 4.0mm
2003D181SB030	ProntoSIL Spheribond ODS2 3um 200 x 3.0mm
2002D181SB030	ProntoSIL Spheribond ODS2 3um 200 x 2.0mm
2546D181SB030	ProntoSIL Spheribond ODS2 3um 250 x 4.6mm
2504D181SB030	ProntoSIL Spheribond ODS2 3um 250 x 4.0mm
2503D181SB030	ProntoSIL Spheribond ODS2 3um 250 x 3.0mm
2502D181SB030	ProntoSIL Spheribond ODS2 3um 250 x 2.0mm
10P4D181SB030	ProntoSIL Spheribond ODS2 PEEK Columns 3um 100 x 4.0mm
12P4D181SB030	ProntoSIL Spheribond ODS2 PEEK Columns 3um 125 x 4.0mm
15P4D181SB030	ProntoSIL Spheribond ODS2 PEEK Columns 3um 150 x 4.0mm
20P4D181SB030	ProntoSIL Spheribond ODS2 PEEK Columns 3um 200 x 4.0mm
25P4D181SB030	ProntoSIL Spheribond ODS2 PEEK Columns 3um 250 x 4.0mm
30P4D181SB030	ProntoSIL Spheribond ODS2 PEEK Columns 3um 300 x 4.0mm
1046D181SB050	ProntoSIL Spheribond ODS2 5um 100 x 4.6mm
1004D181SB050	ProntoSIL Spheribond ODS2 5um 100 x 4.0mm
1003D181SB050	ProntoSIL Spheribond ODS2 5um 100 x 3.0mm
1002D181SB050	ProntoSIL Spheribond ODS2 5um 100 x 2.0mm
1246D181SB050	ProntoSIL Spheribond ODS2 5um 125 x 4.6mm
1204D181SB050	ProntoSIL Spheribond ODS2 5um 125 x 4.0mm
1203D181SB050	ProntoSIL Spheribond ODS2 5um 125 x 3.0mm
1202D181SB050	ProntoSIL Spheribond ODS2 5um 125 x 2.0mm
1546D181SB050	ProntoSIL Spheribond ODS2 5um 150 x 4.6mm

PART NUMBER	DESCRIPTION
1504D181SB050	ProntoSIL Spheribond ODS2 5um 150 x 4.0mm
1503D181SB050	ProntoSIL Spheribond ODS2 5um 150 x 3.0mm
1502D181SB050	ProntoSIL Spheribond ODS2 5um 150 x 2.0mm
2046D181SB050	ProntoSIL Spheribond ODS2 5um 200 x 4.6mm
2004D181SB050	ProntoSIL Spheribond ODS2 5um 200 x 4.0mm
2003D181SB050	ProntoSIL Spheribond ODS2 5um 200 x 3.0mm
2002D181SB050	ProntoSIL Spheribond ODS2 5um 200 x 2.0mm
2546D181SB050	ProntoSIL Spheribond ODS2 5um 250 x 4.6mm
2504D181SB050	ProntoSIL Spheribond ODS2 5um 250 x 4.0mm
2503D181SB050	ProntoSIL Spheribond ODS2 5um 250 x 3.0mm
2502D181SB050	ProntoSIL Spheribond ODS2 5um 250 x 2.0mm
3046D181SB050	ProntoSIL Spheribond ODS2 5um 300 x 4.6mm
3004D181SB050	ProntoSIL Spheribond ODS2 5um 300 x 4.0mm
3003D181SB050	ProntoSIL Spheribond ODS2 5um 300 x 3.0mm
3002D181SB050	ProntoSIL Spheribond ODS2 5um 300 x 2.0mm
10P4D181SB050	ProntoSIL Spheribond ODS2 PEEK Columns 5um 100 x 4.0mm
12P4D181SB050	ProntoSIL Spheribond ODS2 PEEK Columns 5um 125 x 4.0mm
15P4D181SB050	ProntoSIL Spheribond ODS2 PEEK Columns 5um 150 x 4.0mm
20P4D181SB050	ProntoSIL Spheribond ODS2 PEEK Columns 5um 200 x 4.0mm
25P4D181SB050	ProntoSIL Spheribond ODS2 PEEK Columns 5um 250 x 4.0mm
30P4D181SB050	ProntoSIL Spheribond ODS2 PEEK Columns 5um 300 x 4.0mm
1046D181SB100	ProntoSIL Spheribond ODS2 10um 100 x 4.6mm
1004D181SB100	ProntoSIL Spheribond ODS2 10um 100 x 4.0mm
1003D181SB100	ProntoSIL Spheribond ODS2 10um 100 x 3.0mm
1002D181SB100	ProntoSIL Spheribond ODS2 10um 100 x 2.0mm
1246D181SB100	ProntoSIL Spheribond ODS2 10um 125 x 4.6mm
1204D181SB100	ProntoSIL Spheribond ODS2 10um 125 x 4.0mm
1203D181SB100	ProntoSIL Spheribond ODS2 10um 125 x 3.0mm
1202D181SB100	ProntoSIL Spheribond ODS2 10um 125 x 2.0mm
1546D181SB100	ProntoSIL Spheribond ODS2 10um 150 x 4.6mm
1504D181SB100	ProntoSIL Spheribond ODS2 10um 150 x 4.0mm
1503D181SB100	ProntoSIL Spheribond ODS2 10um 150 x 3.0mm
1502D181SB100	ProntoSIL Spheribond ODS2 10um 150 x 2.0mm
2046D181SB100	ProntoSIL Spheribond ODS2 10um 200 x 4.6mm
2004D181SB100	ProntoSIL Spheribond ODS2 10um 200 x 4.0mm

PART NUMBER	DESCRIPTION
2003D181SB100	ProntoSIL Spheribond ODS2 10um 200 x 3.0mm
2002D181SB100	ProntoSIL Spheribond ODS2 10um 200 x 2.0mm
2546D181SB100	ProntoSIL Spheribond ODS2 10um 250 x 4.6mm
2504D181SB100	ProntoSIL Spheribond ODS2 10um 250 x 4.0mm
2503D181SB100	ProntoSIL Spheribond ODS2 10um 250 x 3.0mm
2502D181SB100	ProntoSIL Spheribond ODS2 10um 250 x 2.0mm
3046D181SB100	ProntoSIL Spheribond ODS2 10um 300 x 4.6mm
3004D181SB100	ProntoSIL Spheribond ODS2 10um 300 x 4.0mm
3003D181SB100	ProntoSIL Spheribond ODS2 10um 300 x 3.0mm
3002D181SB100	ProntoSIL Spheribond ODS2 10um 300 x 2.0mm
10P4D181SB100	ProntoSIL Spheribond ODS2 PEEK Columns 10um 100 x 4.0mm
12P4D181SB100	ProntoSIL Spheri bond ODS2 PEEK Columns 10um 125 x 4.0mm
15P4D181SB100	ProntoSIL Spheribond ODS2 PEEK Columns 10um 150 x 4.0mm
20P4D181SB100	ProntoSIL Spheribond ODS2 PEEK Columns 10um 200 x 4.0mm
25P4D181SB100	ProntoSIL Spheribond ODS2 PEEK Columns 10um 250 x 4.0mm
30P4D181SB100	ProntoSIL Spheribond ODS2 PEEK Columns 10um 300 x 4.0mm, 5/pk (Cartridge holder required)

ProntoSIL Eurobond C18 Columns(5um)

PART NUMBER	DESCRIPTION
1204F181PS050	ProntoSIL 120-5-Eurobond C18 5um 125 x 4.0mm
2504F181PS050	ProntoSIL 120-5-Eurobond C18 5um 250 x 4.0mm

ProntoSIL C30 Columns(3um, 5um, 10um)

PART NUMBER	DESCRIPTION
1046F300PS030	ProntoSIL 120-3-C30 3um 100 x 4.6mm
1546F300PS030	ProntoSIL 120-3-C30 3um 150 x 4.6mm
2546F300PS030	ProntoSIL 120-3-C30 3um 250 x 4.6mm
2502F300PS030	ProntoSIL 120-3-C30 3um 250 x 2.0mm
2503F300PS030	ProntoSIL 120-3-C30 3um 250 x 3.0mm
2504F300PS030	ProntoSIL 120-3-C30 3um 250 x 4.0mm
1046H300PS030	ProntoSIL 200-3-C30 3um 100 x 4.6mm
1546H300PS030	ProntoSIL 200-3-C30 3um 150 x 4.6mm
2546H300PS030	ProntoSIL 200-3-C30 3um 250 x 4.6mm
2502H300PS030	ProntoSIL 200-3-C30 3um 250 x 2.0mm
2503H300PS030	ProntoSIL 200-3-C30 3um 250 x 3.0mm
2504H300PS030	ProntoSIL 200-3-C30 3um 250 x 4.0mm
1046H300PS050	ProntoSIL 200-5-C30 5um 100 x 4.6mm
1546H300PS050	ProntoSIL 200-5-C30 5um 150 x 4.6mm
2546H300PS050	ProntoSIL 200-5-C30 5um 250 x 4.6mm
2502H300PS050	ProntoSIL 200-5-C30 5um 250 x 2.0mm
2503H300PS050	ProntoSIL 200-5-C30 5um 250 x 3.0mm
2504H300PS050	ProntoSIL 200-5-C30 5um 250 x 4.0mm
1046H300PS100	ProntoSIL 200-10-C30 10um 100 x 4.6mm
1546H300PS100	ProntoSIL 200-10-C30 10um 150 x 4.6mm
2546H300PS100	ProntoSIL 200-10-C30 10um 250 x 4.6mm
2502H300PS100	ProntoSIL 200-10-C30 10um 250 x 2.0mm
2503H300PS100	ProntoSIL 200-10-C30 10um 250 x 3.0mm
2504H300PS100	ProntoSIL 200-10-C30 10um 250 x 4.0mm
1046K300PS030	ProntoSIL 300-3-C30 3um 100 x 4.6mm
1546K300PS030	ProntoSIL 300-3-C30 3um 150 x 4.6mm
2546K300PS030	ProntoSIL 300-3-C30 3um 250 x 4.6mm
2502K300PS030	ProntoSIL 300-3-C30 3um 250 x 2.0mm
2503K300PS030	ProntoSIL 300-3-C30 3um 250 x 3.0mm
2504K300PS030	ProntoSIL 300-3-C30 3um 250 x 4.0mm
1046K300PS050	ProntoSIL 300-5-C30 5um 100 x 4.6mm
1546K300PS050	ProntoSIL 300-5-C30 5um 150 x 4.6mm
2546K300PS050	ProntoSIL 300-5-C30 5um 250 x 4.6mm
2502K300PS050	ProntoSIL 300-5-C30 5um 250 x 2.0mm
2503K300PS050	ProntoSIL 300-5-C30 5um 250 x 3.0mm
2504K300PS050	ProntoSIL 300-5-C30 5um 250 x 4.0mm
1046K301PS030	ProntoSIL 300-3-C30 EC 3um 100 x 4.6mm
1546K301PS030	ProntoSIL 300-3-C30 EC 3um 150 x 4.6mm
2546K301PS030	ProntoSIL 300-3-C30 EC 3um 250 x 4.6mm
2502K301PS030	ProntoSIL 300-3-C30 EC 3um 250 x 2.0mm

PART NUMBER	DESCRIPTION
2503K301PS030	ProntoSIL 300-3-C30 EC 3um 250 x 3.0mm
2504K301PS030	ProntoSIL 300-3-C30 EC 3um 250 x 4.0mm
1046K301PS050	ProntoSIL 300-5-C30 EC 5um 100 x 4.6mm
1546K301PS050	ProntoSIL 300-5-C30 EC 5um 150 x 4.6mm
2546K301PS050	ProntoSIL 300-5-C30 EC 5um 250 x 4.6mm
2502K301PS050	ProntoSIL 300-5-C30 EC 5um 250 x 2.0mm
2503K301PS050	ProntoSIL 300-5-C30 EC 5um 250 x 3.0mm
2504K301PS050	ProntoSIL 300-5-C30 EC 5um 250 x 4.0mm

ProntoSIL AMINO Columns(3um, 5um, 10um)

PART NUMBER	DESCRIPTION
0146F190PS030	ProntoSIL 120-3-AMINO Guard 3um 14 x 4.6mm
0104F190PS030	ProntoSIL 120-3-AMINO Guard 3um 14 x 4.0mm
1046F190PS030	ProntoSIL 120-3-AMINO 3um 100 x 4.6mm
1004F190PS030	ProntoSIL 120-3-AMINO 3um 100 x 4.6mm
1003F190PS030	ProntoSIL 120-3-AMINO 3um 100 x 3.0mm
1002F190PS030	ProntoSIL 120-3-AMINO 3um 100 x 2.0mm
1246F190PS030	ProntoSIL 120-3-AMINO 3um 125 x 4.6mm
1204F190PS030	ProntoSIL 120-3-AMINO 3um 125 x 4.0mm
1203F190PS030	ProntoSIL 120-3-AMINO 3um 125 x 3.0mm
1202F190PS030	ProntoSIL 120-3-AMINO 3um 125 x 2.0mm
1546F190PS030	ProntoSIL 120-3-AMINO 3um 150 x 4.6mm
1504F190PS030	ProntoSIL 120-3-AMINO 3um 150 x 4.0mm
1503F190PS030	ProntoSIL 120-3-AMINO 3um 150 x 3.0mm
1502F190PS030	ProntoSIL 120-3-AMINO 3um 150 x 2.0mm
2046F190PS030	ProntoSIL 120-3-AMINO 3um 200 x 4.6mm
2004F190PS030	ProntoSIL 120-3-AMINO 3um 200 x 4.0mm
2003F190PS030	ProntoSIL 120-3-AMINO 3um 200 x 3.0mm
2002F190PS030	ProntoSIL 120-3-AMINO 3um 200 x 2.0mm
2546F190PS030	ProntoSIL 120-3-AMINO 3um 250 x 4.6mm
2504F190PS030	ProntoSIL 120-3-AMINO 3um 250 x 4.0mm
2503F190PS030	ProntoSIL 120-3-AMINO 3um 250 x 3.0mm
2502F190PS030	ProntoSIL 120-3-AMINO 3um 250 x 2.0mm
10P4F190PS030	ProntoSIL 120-3-AMINO PEEK column 3um 100 x 4.0mm
12P4F190PS030	ProntoSIL 120-3-AMINO PEEK column 3um 125 x 4.0mm
15P4F190PS030	ProntoSIL 120-3-AMINO PEEK column 3um 150 x 4.0mm
20P4F190PS030	ProntoSIL 120-3-AMINO PEEK column 3um 200 x 4.0mm
25P4F190PS030	ProntoSIL 120-3-AMINO PEEK column 3um 250 x 4.0mm
0146F190PS050	ProntoSIL 120-5-AMINO Guard 5um 14 x 4.6mm
0104F190PS050	ProntoSIL 120-5-AMINO Guard 5um 14 x 4.0mm
1046F190PS050	ProntoSIL 120-5-AMINO 5um 100 x 4.6mm
1004F190PS050	ProntoSIL 120-5-AMINO 5um 100 x 4.0mm
1003F190PS050	ProntoSIL 120-5-AMINO 5um 100 x 3.0mm
1002F190PS050	ProntoSIL 120-5-AMINO 5um 100 x 2.0mm
1246F190PS050	ProntoSIL 120-5-AMINO 5um 125 x 4.6mm
1204F190PS050	ProntoSIL 120-5-AMINO 5um 125 x 4.0mm
1203F190PS050	ProntoSIL 120-5-AMINO 5um 125 x 3.0mm

PART NUMBER	DESCRIPTION
1202F190PS050	ProntoSIL 120-5-AMINO 5um 125 x 2.0mm
1546F190PS050	ProntoSIL 120-5-AMINO 5um 150 x 4.6mm
1504F190PS050	ProntoSIL 120-5-AMINO 5um 150 x 4.0mm
1503F190PS050	ProntoSIL 120-5-AMINO 5um 150 x 3.0mm
1502F190PS050	ProntoSIL 120-5-AMINO 5um 150 x 2.0mm
2046F190PS050	ProntoSIL 120-5-AMINO 5um 200 x 4.6mm
2004F190PS050	ProntoSIL 120-5-AMINO 5um 200 x 4.0mm
2003F190PS050	ProntoSIL 120-5-AMINO 5um 200 x 3.0mm
2002F190PS050	ProntoSIL 120-5-AMINO 5um 200 x 2.0mm
2546F190PS050	ProntoSIL 120-5-AMINO 5um 250 x 4.6mm
2504F190PS050	ProntoSIL 120-5-AMINO 5um 250 x 4.0mm
2503F190PS050	ProntoSIL 120-5-AMINO 5um 250 x 3.0mm
2502F190PS050	ProntoSIL 120-5-AMINO 5um 250 x 2.0mm
3046F190PS050	ProntoSIL 120-5-AMINO 5um 300 x 4.6mm
3004F190PS050	ProntoSIL 120-5-AMINO 5um 300 x 4.0mm
3003F190PS050	ProntoSIL 120-5-AMINO 5um 300 x 3.0mm
3002F190PS050	ProntoSIL 120-5-AMINO 5um 300 x 2.0mm
10P4F190PS050	ProntoSIL 120-5-AMINO PEEK column 5um 100 x 4.0mm
12P4F190PS050	ProntoSIL 120-5-AMINO PEEK column 5um 125 x 4.0mm
15P4F190PS050	ProntoSIL 120-5-AMINO PEEK column 5um 150 x 4.0mm
20P4F190PS050	ProntoSIL 120-5-AMINO PEEK column 5um 200 x 4.0mm
25P4F190PS050	ProntoSIL 120-5-AMINO PEEK column 5um 250 x 4.0mm
30P4F190PS050	ProntoSIL 120-5-AMINO PEEK column 5um 300 x 4.0mm
0146F190PS100	ProntoSIL 120-10-AMINO Guard 10um 14 x 4.6mm
0104F190PS100	ProntoSIL 120-10-AMINO Guard 10um 14 x 4.0mm
1046F190PS100	ProntoSIL 120-10-AMINO 10um 100 x 4.6mm
1004F190PS100	ProntoSIL 120-10-AMINO 10um 100 x 4.0mm
1003F190PS100	ProntoSIL 120-10-AMINO 10um 100 x 3.0mm
1002F190PS100	ProntoSIL 120-10-AMINO 10um 100 x 2.0mm
1246F190PS100	ProntoSIL 120-10-AMINO 10um 125 x 4.6mm
1204F190PS100	ProntoSIL 120-10-AMINO 10um 125 x 4.0mm
1203F190PS100	ProntoSIL 120-10-AMINO 10um 125 x 3.0mm
1202F190PS100	ProntoSIL 120-10-AMINO 10um 125 x 2.0mm
1546F190PS100	ProntoSIL 120-10-AMINO 10um 150 x 4.6mm
1504F190PS100	ProntoSIL 120-10-AMINO 10um 150 x 4.0mm
1503F190PS100	ProntoSIL 120-10-AMINO 10um 150 x 3.0mm

PART NUMBER	DESCRIPTION
1502F190PS100	ProntoSIL 120-10-AMINO 10um 150 x 2.0mm
2046F190PS100	ProntoSIL 120-10-AMINO 10um 200 x 4.6mm
2004F190PS100	ProntoSIL 120-10-AMINO 10um 200 x 4.0mm
2003F190PS100	ProntoSIL 120-10-AMINO 10um 200 x 3.0mm
2002F190PS100	ProntoSIL 120-10-AMINO 10um 200 x 2.0mm
2546F190PS100	ProntoSIL 120-10-AMINO 10um 250 x 4.6mm
2504F190PS100	ProntoSIL 120-10-AMINO 10um 250 x 4.0mm
2503F190PS100	ProntoSIL 120-10-AMINO 10um 250 x 3.0mm
2502F190PS100	ProntoSIL 120-10-AMINO 10um 250 x 2.0mm
3046F190PS100	ProntoSIL 120-10-AMINO 10um 300 x 4.6mm
3004F190PS100	ProntoSIL 120-10-AMINO 10um 300 x 4.0mm
3003F190PS100	ProntoSIL 120-10-AMINO 10um 300 x 3.0mm
3002F190PS100	ProntoSIL 120-10-AMINO 10um 300 x 2.0mm
10P4F190PS100	ProntoSIL 120-10-AMINO PEEK column 10um 100 x 4.0mm
12P4F190PS100	ProntoSIL 120-10-AMINO PEEK column 10um 125 x 4.0mm
15P4F190PS100	ProntoSIL 120-10-AMINO PEEK column 10um 150 x 4.0mm
20P4F190PS100	ProntoSIL 120-10-AMINO PEEK column 10um 200 x 4.0mm
25P4F190PS100	ProntoSIL 120-10-AMINO PEEK column 10um 250 x 4.0mm
30P4F190PS100	ProntoSIL 120-10-AMINO PEEK column 10um 300 x 4.0mm
0146F191PS050	ProntoSIL 120-5-AMINO E Guard 5um 14 x 4.6mm
0104F191PS050	ProntoSIL 120-5-AMINO E Guard 5um 14 x 4.0mm
1046F191PS050	ProntoSIL 120-5-AMINO E 5um 100 x 4.6mm
1004F191PS050	ProntoSIL 120-5-AMINO E 5um 100 x 4.0mm
1003F191PS050	ProntoSIL 120-5-AMINO E 5um 100 x 3.0mm
1002F191PS050	ProntoSIL 120-5-AMINO E 5um 100 x 2.0mm
1246F191PS050	ProntoSIL 120-5-AMINO E 5um 125 x 4.6mm
1204F191PS050	ProntoSIL 120-5-AMINO E 5um 125 x 4.0mm
1203F191PS050	ProntoSIL 120-5-AMINO E 5um 125 x 3.0mm
1202F191PS050	ProntoSIL 120-5-AMINO E 5um 125 x 2.0mm
1546F191PS050	ProntoSIL 120-5-AMINO E 5um 150 x 4.6mm
1504F191PS050	ProntoSIL 120-5-AMINO E 5um 150 x 4.0mm
1503F191PS050	ProntoSIL 120-5-AMINO E 5um 150 x 3.0mm
1502F191PS050	ProntoSIL 120-5-AMINO E 5um 150 x 2.0mm
2046F191PS050	ProntoSIL 120-5-AMINO E 5um 200 x 4.6mm
2004F191PS050	ProntoSIL 120-5-AMINO E 5um 200 x 4.0mm
2003F191PS050	ProntoSIL 120-5-AMINO E 5um 200 x 3.0mm
2002F191PS050	ProntoSIL 120-5-AMINO E 5um 200 x 2.0mm
2546F191PS050	ProntoSIL 120-5-AMINO E 5um 250 x 4.6mm
2504F191PS050	ProntoSIL 120-5-AMINO E 5um 250 x 4.0mm
2503F191PS050	ProntoSIL 120-5-AMINO E 5um 250 x 3.0mm
2502F191PS050	ProntoSIL 120-5-AMINO E 5um 250 x 2.0mm
3046F191PS050	ProntoSIL 120-5-AMINO E 5um 300 x 4.6mm
3004F191PS050	ProntoSIL 120-5-AMINO E 5um 300 x 4.0mm
3003F191PS050	ProntoSIL 120-5-AMINO E 5um 300 x 3.0mm

PART NUMBER	DESCRIPTION
3002F191PS050	ProntoSIL 120-5-AMINO E 5um 300 x 2.0mm
10P4F191PS050	ProntoSIL 120-5-AMINO E PEEK column 5um 100 x 4.0mm
12P4F191PS050	ProntoSIL 120-5-AMINO E PEEK column 5um 125 x 4.0mm
15P4F191PS050	ProntoSIL 120-5-AMINO E PEEK column 5um 150 x 4.0mm
20P4F191PS050	ProntoSIL 120-5-AMINO E PEEK column 5um 200 x 4.0mm
25P4F191PS050	ProntoSIL 120-5-AMINO E PEEK column 5um 250 x 4.0mm
30P4F191PS050	ProntoSIL 120-5-AMINO E PEEK column 5um 300 x 4.0mm
0146F195PS050	ProntoSIL 120-5-AMINO H Guard 5um 14 x 4.6mm
0104F195PS050	ProntoSIL 120-5-AMINO H Guard 5um 14 x 4.0mm
1046F195PS050	ProntoSIL 120-5-AMINO H 5um 100 x 4.6mm
1004F195PS050	ProntoSIL 120-5-AMINO H 5um 100 x 4.0mm
1003F195PS050	ProntoSIL 120-5-AMINO H 5um 100 x 3.0mm
1002F195PS050	ProntoSIL 120-5-AMINO H 5um 100 x 2.0mm
1246F195PS050	ProntoSIL 120-5-AMINO H 5um 125 x 4.6mm
1204F195PS050	ProntoSIL 120-5-AMINO H 5um 125 x 4.0mm
1203F195PS050	ProntoSIL 120-5-AMINO H 5um 125 x 3.0mm
1202F195PS050	ProntoSIL 120-5-AMINO H 5um 125 x 2.0mm
1546F195PS050	ProntoSIL 120-5-AMINO H 5um 150 x 4.6mm
1504F195PS050	ProntoSIL 120-5-AMINO H 5um 150 x 4.0mm
1503F195PS050	ProntoSIL 120-5-AMINO H 5um 150 x 3.0mm
1502F195PS050	ProntoSIL 120-5-AMINO H 5um 150 x 2.0mm
2046F195PS050	ProntoSIL 120-5-AMINO H 5um 200 x 4.6mm
2004F195PS050	ProntoSIL 120-5-AMINO H 5um 200 x 4.0mm
2003F195PS050	ProntoSIL 120-5-AMINO H 5um 200 x 3.0mm
2002F195PS050	ProntoSIL 120-5-AMINO H 5um 200 x 2.0mm
2546F195PS050	ProntoSIL 120-5-AMINO H 5um 250 x 4.6mm
2504F195PS050	ProntoSIL 120-5-AMINO H 5um 250 x 4.0mm
2503F195PS050	ProntoSIL 120-5-AMINO H 5um 250 x 3.0mm
2502F195PS050	ProntoSIL 120-5-AMINO H 5um 250 x 2.0mm
3046F195PS050	ProntoSIL 120-5-AMINO H 5um 300 x 4.6mm
3004F195PS050	ProntoSIL 120-5-AMINO H 5um 300 x 4.0mm
3003F195PS050	ProntoSIL 120-5-AMINO H 5um 300 x 3.0mm
3002F195PS050	ProntoSIL 120-5-AMINO H 5um 300 x 2.0mm
10P4F195PS050	ProntoSIL 120-5-AMINO H PEEK column 5um 100 x 4.0mm
12P4F195PS050	ProntoSIL 120-5-AMINO H PEEK column 5um 125 x 4.0mm
15P4F195PS050	ProntoSIL 120-5-AMINO H PEEK column 5um 150 x 4.0mm
20P4F195PS050	ProntoSIL 120-5-AMINO H PEEK column 5um 200 x 4.0mm
25P4F195PS050	ProntoSIL 120-5-AMINO H PEEK column 5um 250 x 4.0mm
30P4F195PS050	ProntoSIL 120-5-AMINO H PEEK column 5um 300 x 4.0mm

ProntoSIL Silica Columns(3um, 5um)

PART NUMBER	DESCRIPTION
0146C000PS030	ProntoSIL 60-3-Si Guard 3um 14 x 4.6mm
0104C000PS030	ProntoSIL 60-3-Si Guard 3um 14 x 4.0mm
1046C000PS030	ProntoSIL 60-3-Si 3um 100 x 4.6mm
1004C000PS030	ProntoSIL 60-3-Si 3um 100 x 4.6mm
1003C000PS030	ProntoSIL 60-3-Si 3um 100 x 3.0mm
1002C000PS030	ProntoSIL 60-3-Si 3um 100 x 2.0mm
1246C000PS030	ProntoSIL 60-3-Si 3um 125 x 4.6mm
1204C000PS030	ProntoSIL 60-3-Si 3um 125 x 4.0mm
1203C000PS030	ProntoSIL 60-3-Si 3um 125 x 3.0mm
1202C000PS030	ProntoSIL 60-3-Si 3um 125 x 2.0mm
1546C000PS030	ProntoSIL 60-3-Si 3um 150 x 4.6mm
1504C000PS030	ProntoSIL 60-3-Si 3um 150 x 4.0mm
1503C000PS030	ProntoSIL 60-3-Si 3um 150 x 3.0mm
1502C000PS030	ProntoSIL 60-3-Si 3um 150 x 2.0mm
2046C000PS030	ProntoSIL 60-3-Si 3um 200 x 4.6mm
2004C000PS030	ProntoSIL 60-3-Si 3um 200 x 4.0mm
2003C000PS030	ProntoSIL 60-3-Si 3um 200 x 3.0mm
2002C000PS030	ProntoSIL 60-3-Si 3um 200 x 2.0mm
2546C000PS030	ProntoSIL 60-3-Si 3um 250 x 4.6mm
2504C000PS030	ProntoSIL 60-3-Si 3um 250 x 4.0mm
2503C000PS030	ProntoSIL 60-3-Si 3um 250 x 3.0mm
2502C000PS030	ProntoSIL 60-3-Si 3um 250 x 2.0mm
10P4C000PS030	ProntoSIL 60-3-Si PEEK column 3um 100 x 4.0mm
12P4C000PS030	ProntoSIL 60-3-Si PEEK column 3um 125 x 4.0mm
15P4C000PS030	ProntoSIL 60-3-Si PEEK column 3um 150 x 4.0mm
20P4C000PS030	ProntoSIL 60-3-Si PEEK column 3um 200 x 4.0mm
25P4C000PS030	ProntoSIL 60-3-Si PEEK column 3um 250 x 4.0mm
0146C000PS050	ProntoSIL 60-5-Si Guard 5um 14 x 4.6mm
0104C000PS050	ProntoSIL 60-5-Si Guard 5um 14 x 4.0mm
1046C000PS050	ProntoSIL 60-5-Si 5um 100 x 4.6mm
1004C000PS050	ProntoSIL 60-5-Si 5um 100 x 4.0mm
1003C000PS050	ProntoSIL 60-5-Si 5um 100 x 3.0mm
1002C000PS050	ProntoSIL 60-5-Si 5um 100 x 2.0mm
1246C000PS050	ProntoSIL 60-5-Si 5um 125 x 4.6mm
1204C000PS050	ProntoSIL 60-5-Si 5um 125 x 4.0mm
1203C000PS050	ProntoSIL 60-5-Si 5um 125 x 3.0mm
1202C000PS050	ProntoSIL 60-5-Si 5um 125 x 2.0mm
1546C000PS050	ProntoSIL 60-5-Si 5um 150 x 4.6mm
1504C000PS050	ProntoSIL 60-5-Si 5um 150 x 4.0mm

PART NUMBER	DESCRIPTION
1503C000PS050	ProntoSIL 60-5-Si 5um 150 x 3.0mm
1502C000PS050	ProntoSIL 60-5-Si 5um 150 x 2.0mm
2046C000PS050	ProntoSIL 60-5-Si 5um 200 x 4.6mm
2004C000PS050	ProntoSIL 60-5-Si 5um 200 x 4.0mm
2003C000PS050	ProntoSIL 60-5-Si 5um 200 x 3.0mm
2002C000PS050	ProntoSIL 60-5-Si 5um 200 x 2.0mm
2546C000PS050	ProntoSIL 60-5-Si 5um 250 x 4.6mm
2504C000PS050	ProntoSIL 60-5-Si 5um 250 x 4.0mm
2503C000PS050	ProntoSIL 60-5-Si 5um 250 x 3.0mm
2502C000PS050	ProntoSIL 60-5-Si 5um 250 x 2.0mm
3046C000PS050	ProntoSIL 60-5-Si 5um 300 x 4.6mm
3004C000PS050	ProntoSIL 60-5-Si 5um 300 x 4.0mm
3003C000PS050	ProntoSIL 60-5-Si 5um 300 x 3.0mm
3002C000PS050	ProntoSIL 60-5-Si 5um 300 x 2.0mm
10P4C000PS050	ProntoSIL 60-5-Si PEEK column 5um 100 x 4.0mm
12P4C000PS050	ProntoSIL 60-5-Si PEEK column 5um 125 x 4.0mm
15P4C000PS050	ProntoSIL 60-5-Si PEEK column 5um 150 x 4.0mm
20P4C000PS050	ProntoSIL 60-5-Si PEEK column 5um 200 x 4.0mm
25P4C000PS050	ProntoSIL 60-5-Si PEEK column 5um 250 x 4.0mm
30P4C000PS050	ProntoSIL 60-5-Si PEEK column 5um 300 x 4.0mm
0146F000PS030	ProntoSIL 120-3-Si Guard 3um 14 x 4.6mm
0104F000PS030	ProntoSIL 120-3-Si Guard 3um 14 x 4.0mm
1046F000PS030	ProntoSIL 120-3-Si 3um 100 x 4.6mm
1004F000PS030	ProntoSIL 120-3-Si 3um 100 x 4.6mm
1003F000PS030	ProntoSIL 120-3-Si 3um 100 x 3.0mm
1002F000PS030	ProntoSIL 120-3-Si 3um 100 x 2.0mm
1246F000PS030	ProntoSIL 120-3-Si 3um 125 x 4.6mm
1204F000PS030	ProntoSIL 120-3-Si 3um 125 x 4.0mm
1203F000PS030	ProntoSIL 120-3-Si 3um 125 x 3.0mm
1202F000PS030	ProntoSIL 120-3-Si 3um 125 x 2.0mm
1546F000PS030	ProntoSIL 120-3-Si 3um 150 x 4.6mm
1504F000PS030	ProntoSIL 120-3-Si 3um 150 x 4.0mm
1503F000PS030	ProntoSIL 120-3-Si 3um 150 x 3.0mm
1502F000PS030	ProntoSIL 120-3-Si 3um 150 x 2.0mm
2046F000PS030	ProntoSIL 120-3-Si 3um 200 x 4.6mm
2004F000PS030	ProntoSIL 120-3-Si 3um 200 x 4.0mm
2003F000PS030	ProntoSIL 120-3-Si 3um 200 x 3.0mm
2002F000PS030	ProntoSIL 120-3-Si 3um 200 x 2.0mm
2546F000PS030	ProntoSIL 120-3-Si 3um 250 x 4.6mm
2504F000PS030	ProntoSIL 120-3-Si 3um 250 x 4.0mm

PART NUMBER	DESCRIPTION
2503F000PS030	ProntoSIL 120-3-Si 3um 250 x 3.0mm
2502F000PS030	ProntoSIL 120-3-Si 3um 250 x 2.0mm
10P4F000PS030	ProntoSIL 120-3-Si PEEK column 3um 100 x 4.0mm
12P4F000PS030	ProntoSIL 120-3-Si PEEK column 3um 125 x 4.0mm
15P4F000PS030	ProntoSIL 120-3-Si PEEK column 3um 150 x 4.0mm
20P4F000PS030	ProntoSIL 120-3-Si PEEK column 3um 200 x 4.0mm
25P4F000PS030	ProntoSIL 120-3-Si PEEK column 3um 250 x 4.0mm
0146F000PS050	ProntoSIL 120-5-Si Guard 5um 14 x 4.6mm
0104F000PS050	ProntoSIL 120-5-Si Guard 5um 14 x 4.0mm
1046F000PS050	ProntoSIL 120-5-Si 5um 100 x 4.6mm
1004F000PS050	ProntoSIL 120-5-Si 5um 100 x 4.0mm
1003F000PS050	ProntoSIL 120-5-Si 5um 100 x 3.0mm
1002F000PS050	ProntoSIL 120-5-Si 5um 100 x 2.0mm
1246F000PS050	ProntoSIL 120-5-Si 5um 125 x 4.6mm
1204F000PS050	ProntoSIL 120-5-Si 5um 125 x 4.0mm
1203F000PS050	ProntoSIL 120-5-Si 5um 125 x 3.0mm
1202F000PS050	ProntoSIL 120-5-Si 5um 125 x 2.0mm
1546F000PS050	ProntoSIL 120-5-Si 5um 150 x 4.6mm
1504F000PS050	ProntoSIL 120-5-Si 5um 150 x 4.0mm
1503F000PS050	ProntoSIL 120-5-Si 5um 150 x 3.0mm
1502F000PS050	ProntoSIL 120-5-Si 5um 150 x 2.0mm
2046F000PS050	ProntoSIL 120-5-Si 5um 200 x 4.6mm
2004F000PS050	ProntoSIL 120-5-Si 5um 200 x 4.0mm
2003F000PS050	ProntoSIL 120-5-Si 5um 200 x 3.0mm
2002F000PS050	ProntoSIL 120-5-Si 5um 200 x 2.0mm
2546F000PS050	ProntoSIL 120-5-Si 5um 250 x 4.6mm
2504F000PS050	ProntoSIL 120-5-Si 5um 250 x 4.0mm
2503F000PS050	ProntoSIL 120-5-Si 5um 250 x 3.0mm
2502F000PS050	ProntoSIL 120-5-Si 5um 250 x 2.0mm
3046F000PS050	ProntoSIL 120-5-Si 5um 300 x 4.6mm
3004F000PS050	ProntoSIL 120-5-Si 5um 300 x 4.0mm
3003F000PS050	ProntoSIL 120-5-Si 5um 300 x 3.0mm
3002F000PS050	ProntoSIL 120-5-Si 5um 300 x 2.0mm
10P4F000PS050	ProntoSIL 120-5-Si PEEK column 5um 100 x 4.0mm
12P4F000PS050	ProntoSIL 120-5-Si PEEK column 5um 125 x 4.0mm
15P4F000PS050	ProntoSIL 120-5-Si PEEK column 5um 150 x 4.0mm
20P4F000PS050	ProntoSIL 120-5-Si PEEK column 5um 200 x 4.0mm
25P4F000PS050	ProntoSIL 120-5-Si PEEK column 5um 250 x 4.0mm
30P4F000PS050	ProntoSIL 120-5-Si PEEK column 5um 300 x 4.0mm
0146H000PS030	ProntoSIL 200-3-Si Guard 3um 14 x 4.6mm
0104H000PS030	ProntoSIL 200-3-Si Guard 3um 14 x 4.0mm
1046H000PS030	ProntoSIL 200-3-Si 3um 100 x 4.6mm
1004H000PS030	ProntoSIL 200-3-Si 3um 100 x 4.6mm
1003H000PS030	ProntoSIL 200-3-Si 3um 100 x 3.0mm
1002H000PS030	ProntoSIL 200-3-Si 3um 100 x 2.0mm
1246H000PS030	ProntoSIL 200-3-Si 3um 125 x 4.6mm
1204H000PS030	ProntoSIL 200-3-Si 3um 125 x 4.0mm

PART NUMBER	DESCRIPTION
1203H000PS030	ProntoSIL 200-3-Si 3um 125 x 3.0mm
1202H000PS030	ProntoSIL 200-3-Si 3um 125 x 2.0mm
1546H000PS030	ProntoSIL 200-3-Si 3um 150 x 4.6mm
1504H000PS030	ProntoSIL 200-3-Si 3um 150 x 4.0mm
1503H000PS030	ProntoSIL 200-3-Si 3um 150 x 3.0mm
1502H000PS030	ProntoSIL 200-3-Si 3um 150 x 2.0mm
2046H000PS030	ProntoSIL 200-3-Si 3um 200 x 4.6mm
2004H000PS030	ProntoSIL 200-3-Si 3um 200 x 4.0mm
2003H000PS030	ProntoSIL 200-3-Si 3um 200 x 3.0mm
2002H000PS030	ProntoSIL 200-3-Si 3um 200 x 2.0mm
2546H000PS030	ProntoSIL 200-3-Si 3um 250 x 4.6mm
2504H000PS030	ProntoSIL 200-3-Si 3um 250 x 4.0mm
2503H000PS030	ProntoSIL 200-3-Si 3um 250 x 3.0mm
2502H000PS030	ProntoSIL 200-3-Si 3um 250 x 2.0mm
10P4H000PS030	ProntoSIL 200-3-Si PEEK column 3um 100 x 4.0mm
12P4H000PS030	ProntoSIL 200-3-Si PEEK column 3um 125 x 4.0mm
15P4H000PS030	ProntoSIL 200-3-Si PEEK column 3um 150 x 4.0mm
20P4H000PS030	ProntoSIL 200-3-Si PEEK column 3um 200 x 4.0mm
25P4H000PS030	ProntoSIL 200-3-Si PEEK column 3um 250 x 4.0mm
0146H000PS050	ProntoSIL 200-5-Si Guard 5um 14 x 4.6mm
0104H000PS050	ProntoSIL 200-5-Si Guard 5um 14 x 4.0mm
1046H000PS050	ProntoSIL 200-5-Si 5um 100 x 4.6mm
1004H000PS050	ProntoSIL 200-5-Si 5um 100 x 4.0mm
1003H000PS050	ProntoSIL 200-5-Si 5um 100 x 3.0mm
1002H000PS050	ProntoSIL 200-5-Si 5um 100 x 2.0mm
1246H000PS050	ProntoSIL 200-5-Si 5um 125 x 4.6mm
1204H000PS050	ProntoSIL 200-5-Si 5um 125 x 4.0mm
1203H000PS050	ProntoSIL 200-5-Si 5um 125 x 3.0mm
1202H000PS050	ProntoSIL 200-5-Si 5um 125 x 2.0mm
1546H000PS050	ProntoSIL 200-5-Si 5um 150 x 4.6mm
1504H000PS050	ProntoSIL 200-5-Si 5um 150 x 4.0mm
1503H000PS050	ProntoSIL 200-5-Si 5um 150 x 3.0mm
1502H000PS050	ProntoSIL 200-5-Si 5um 150 x 2.0mm
2046H000PS050	ProntoSIL 200-5-Si 5um 200 x 4.6mm
2004H000PS050	ProntoSIL 200-5-Si 5um 200 x 4.0mm
2003H000PS050	ProntoSIL 200-5-Si 5um 200 x 3.0mm
2002H000PS050	ProntoSIL 200-5-Si 5um 200 x 2.0mm
2546H000PS050	ProntoSIL 200-5-Si 5um 250 x 4.6mm
2504H000PS050	ProntoSIL 200-5-Si 5um 250 x 4.0mm
2503H000PS050	ProntoSIL 200-5-Si 5um 250 x 3.0mm
2502H000PS050	ProntoSIL 200-5-Si 5um 250 x 2.0mm
3046H000PS050	ProntoSIL 200-5-Si 5um 300 x 4.6mm
3004H000PS050	ProntoSIL 200-5-Si 5um 300 x 4.0mm
3003H000PS050	ProntoSIL 200-5-Si 5um 300 x 3.0mm
3002H000PS050	ProntoSIL 200-5-Si 5um 300 x 2.0mm
10P4H000PS050	ProntoSIL 200-5-Si PEEK column 5um 100 x 4.0mm
12P4H000PS050	ProntoSIL 200-5-Si PEEK column 5um 125 x 4.0mm

PART NUMBER	DESCRIPTION
15P4H000PS050	ProntoSIL 200-5-Si PEEK column 5um 150 x 4.0mm
20P4H000PS050	ProntoSIL 200-5-Si PEEK column 5um 200 x 4.0mm
25P4H000PS050	ProntoSIL 200-5-Si PEEK column 5um 250 x 4.0mm
30P4H000PS050	ProntoSIL 200-5-Si PEEK column 5um 300 x 4.0mm
0146K000PS030	ProntoSIL 300-3-Si Guard 3um 14 x 4.6mm
0104K000PS030	ProntoSIL 300-3-Si Guard 3um 14 x 4.0mm
1046K000PS030	ProntoSIL 300-3-Si 3um 100 x 4.6mm
1004K000PS030	ProntoSIL 300-3-Si 3um 100 x 4.6mm
1003K000PS030	ProntoSIL 300-3-Si 3um 100 x 3.0mm
1002K000PS030	ProntoSIL 300-3-Si 3um 100 x 2.0mm
1246K000PS030	ProntoSIL 300-3-Si 3um 125 x 4.6mm
1204K000PS030	ProntoSIL 300-3-Si 3um 125 x 4.0mm
1203K000PS030	ProntoSIL 300-3-Si 3um 125 x 3.0mm
1202K000PS030	ProntoSIL 300-3-Si 3um 125 x 2.0mm
1546K000PS030	ProntoSIL 300-3-Si 3um 150 x 4.6mm
1504K000PS030	ProntoSIL 300-3-Si 3um 150 x 4.0mm
1503K000PS030	ProntoSIL 300-3-Si 3um 150 x 3.0mm
1502K000PS030	ProntoSIL 300-3-Si 3um 150 x 2.0mm
2046K000PS030	ProntoSIL 300-3-Si 3um 200 x 4.6mm
2004K000PS030	ProntoSIL 300-3-Si 3um 200 x 4.0mm
2003K000PS030	ProntoSIL 300-3-Si 3um 200 x 3.0mm
2002K000PS030	ProntoSIL 300-3-Si 3um 200 x 2.0mm
2546K000PS030	ProntoSIL 300-3-Si 3um 250 x 4.6mm
2504K000PS030	ProntoSIL 300-3-Si 3um 250 x 4.0mm
2503K000PS030	ProntoSIL 300-3-Si 3um 250 x 3.0mm
2502K000PS030	ProntoSIL 300-3-Si 3um 250 x 2.0mm
10P4K000PS030	ProntoSIL 300-3-Si PEEK column 3um 100 x 4.0mm
12P4K000PS030	ProntoSIL 300-3-Si PEEK column 3um 125 x 4.0mm
15P4K000PS030	ProntoSIL 300-3-Si PEEK column 3um 150 x 4.0mm
20P4K000PS030	ProntoSIL 300-3-Si PEEK column 3um 200 x 4.0mm
25P4K000PS030	ProntoSIL 300-3-Si PEEK column 3um 250 x 4.0mm
0146K000PS050	ProntoSIL 300-5-Si Guard 5um 14 x 4.6mm
0104K000PS050	ProntoSIL 300-5-Si Guard 5um 14 x 4.0mm
1046K000PS050	ProntoSIL 300-5-Si 5um 100 x 4.6mm
1004K000PS050	ProntoSIL 300-5-Si 5um 100 x 4.0mm
1003K000PS050	ProntoSIL 300-5-Si 5um 100 x 3.0mm
1002K000PS050	ProntoSIL 300-5-Si 5um 100 x 2.0mm
1246K000PS050	ProntoSIL 300-5-Si 5um 125 x 4.6mm
1204K000PS050	ProntoSIL 300-5-Si 5um 125 x 4.0mm
1203K000PS050	ProntoSIL 300-5-Si 5um 125 x 3.0mm
1202K000PS050	ProntoSIL 300-5-Si 5um 125 x 2.0mm
1546K000PS050	ProntoSIL 300-5-Si 5um 150 x 4.6mm
1504K000PS050	ProntoSIL 300-5-Si 5um 150 x 4.0mm
1503K000PS050	ProntoSIL 300-5-Si 5um 150 x 3.0mm
1502K000PS050	ProntoSIL 300-5-Si 5um 150 x 2.0mm
2046K000PS050	ProntoSIL 300-5-Si 5um 200 x 4.6mm
2004K000PS050	ProntoSIL 300-5-Si 5um 200 x 4.0mm

PART NUMBER	DESCRIPTION
2003K000PS050	ProntoSIL 300-5-Si 5um 200 x 3.0mm
2002K000PS050	ProntoSIL 300-5-Si 5um 200 x 2.0mm
2546K000PS050	ProntoSIL 300-5-Si 5um 250 x 4.6mm
2504K000PS050	ProntoSIL 300-5-Si 5um 250 x 4.0mm
2503K000PS050	ProntoSIL 300-5-Si 5um 250 x 3.0mm
2502K000PS050	ProntoSIL 300-5-Si 5um 250 x 2.0mm
3046K000PS050	ProntoSIL 300-5-Si 5um 300 x 4.6mm
3004K000PS050	ProntoSIL 300-5-Si 5um 300 x 4.0mm
3003K000PS050	ProntoSIL 300-5-Si 5um 300 x 3.0mm
3002K000PS050	ProntoSIL 300-5-Si 5um 300 x 2.0mm
10P4K000PS050	ProntoSIL 300-5-Si PEEK column 5um 100 x 4.0mm
12P4K000PS050	ProntoSIL 300-5-Si PEEK column 5um 125 x 4.0mm
15P4K000PS050	ProntoSIL 300-5-Si PEEK column 5um 150 x 4.0mm
20P4K000PS050	ProntoSIL 300-5-Si PEEK column 5um 200 x 4.0mm
25P4K000PS050	ProntoSIL 300-5-Si PEEK column 5um 250 x 4.0mm
30P4K000PS050	ProntoSIL 300-5-Si PEEK column 5um 300 x 4.0mm

ProntoSIL Phenyl Columns(3um, 5um, 10um)

PART NUMBER	DESCRIPTION
0146F050PS030	ProntoSIL 120-3-Phenyl Guard 3um 14 x 4.6mm
0104F050PS030	ProntoSIL 120-3-Phenyl Guard 3um 14 x 4.0mm
1046F050PS030	ProntoSIL 120-3-Phenyl 3um 100 x 4.6mm
1004F050PS030	ProntoSIL 120-3-Phenyl 3um 100 x 4.0mm
1003F050PS030	ProntoSIL 120-3-Phenyl 3um 100 x 3.0mm
1002F050PS030	ProntoSIL 120-3-Phenyl 3um 100 x 2.0mm
1246F050PS030	ProntoSIL 120-3-Phenyl 3um 125 x 4.6mm
1204F050PS030	ProntoSIL 120-3-Phenyl 3um 125 x 4.0mm
1203F050PS030	ProntoSIL 120-3-Phenyl 3um 125 x 3.0mm
1202F050PS030	ProntoSIL 120-3-Phenyl 3um 125 x 2.0mm
1546F050PS030	ProntoSIL 120-3-Phenyl 3um 150 x 4.6mm
1504F050PS030	ProntoSIL 120-3-Phenyl 3um 150 x 4.0mm
1503F050PS030	ProntoSIL 120-3-Phenyl 3um 150 x 3.0mm
1502F050PS030	ProntoSIL 120-3-Phenyl 3um 150 x 2.0mm
2046F050PS030	ProntoSIL 120-3-Phenyl 3um 200 x 4.6mm
2004F050PS030	ProntoSIL 120-3-Phenyl 3um 200 x 4.0mm
2003F050PS030	ProntoSIL 120-3-Phenyl 3um 200 x 3.0mm
2002F050PS030	ProntoSIL 120-3-Phenyl 3um 200 x 2.0mm
2546F050PS030	ProntoSIL 120-3-Phenyl 3um 250 x 4.6mm
2504F050PS030	ProntoSIL 120-3-Phenyl 3um 250 x 4.0mm
2503F050PS030	ProntoSIL 120-3-Phenyl 3um 250 x 3.0mm
2502F050PS030	ProntoSIL 120-3-Phenyl 3um 250 x 2.0mm
10P4F050PS030	ProntoSIL 120-3-Phenyl PEEK column 3um 100 x 4.0mm
12P4F050PS030	ProntoSIL 120-3-Phenyl PEEK column 3um 125 x 4.0mm
15P4F050PS030	ProntoSIL 120-3-Phenyl PEEK column 3um 150 x 4.0mm
20P4F050PS030	ProntoSIL 120-3-Phenyl PEEK column 3um 200 x 4.0mm
25P4F050PS030	ProntoSIL 120-3-Phenyl PEEK column 3um 250 x 4.0mm
0146C050PS050	ProntoSIL 60-5-Phenyl Guard 5um 14 x 4.6mm
0104C050PS050	ProntoSIL 60-5-Phenyl Guard 5um 14 x 4.0mm
1046C050PS050	ProntoSIL 60-5-Phenyl 5um 100 x 4.6mm
1004C050PS050	ProntoSIL 60-5-Phenyl 5um 100 x 4.0mm
1003C050PS050	ProntoSIL 60-5-Phenyl 5um 100 x 3.0mm
1002C050PS050	ProntoSIL 60-5-Phenyl 5um 100 x 2.0mm
1246C050PS050	ProntoSIL 60-5-Phenyl 5um 125 x 4.6mm
1204C050PS050	ProntoSIL 60-5-Phenyl 5um 125 x 4.0mm
1203C050PS050	ProntoSIL 60-5-Phenyl 5um 125 x 3.0mm

PART NUMBER	DESCRIPTION
1202C050PS050	ProntoSIL 60-5-Phenyl 5um 125 x 2.0mm
1546C050PS050	ProntoSIL 60-5-Phenyl 5um 150 x 4.6mm
1504C050PS050	ProntoSIL 60-5-Phenyl 5um 150 x 4.0mm
1503C050PS050	ProntoSIL 60-5-Phenyl 5um 150 x 3.0mm
1502C050PS050	ProntoSIL 60-5-Phenyl 5um 150 x 2.0mm
2046C050PS050	ProntoSIL 60-5-Phenyl 5um 200 x 4.6mm
2004C050PS050	ProntoSIL 60-5-Phenyl 5um 200 x 4.0mm
2003C050PS050	ProntoSIL 60-5-Phenyl 5um 200 x 3.0mm
2002C050PS050	ProntoSIL 60-5-Phenyl 5um 200 x 2.0mm
2546C050PS050	ProntoSIL 60-5-Phenyl 5um 250 x 4.6mm
2504C050PS050	ProntoSIL 60-5-Phenyl 5um 250 x 4.0mm
2503C050PS050	ProntoSIL 60-5-Phenyl 5um 250 x 3.0mm
2502C050PS050	ProntoSIL 60-5-Phenyl 5um 250 x 2.0mm
3046C050PS050	ProntoSIL 60-5-Phenyl 5um 300 x 4.6mm
3004C050PS050	ProntoSIL 60-5-Phenyl 5um 300 x 4.0mm
3003C050PS050	ProntoSIL 60-5-Phenyl 5um 300 x 3.0mm
3002C050PS050	ProntoSIL 60-5-Phenyl 5um 300 x 2.0mm
10P4C050PS050	ProntoSIL 60-5-Phenyl PEEK column 5um 100 x 4.0mm
12P4C050PS050	ProntoSIL 60-5-Phenyl PEEK column 5um 125 x 4.0mm
15P4C050PS050	ProntoSIL 60-5-Phenyl PEEK column 5um 150 x 4.0mm
20P4C050PS050	ProntoSIL 60-5-Phenyl PEEK column 5um 200 x 4.0mm
25P4C050PS050	ProntoSIL 60-5-Phenyl PEEK column 5um 250 x 4.0mm
30P4C050PS050	ProntoSIL 60-5-Phenyl PEEK column 5um 300 x 4.0mm
0146F050PS050	ProntoSIL 120-5-Phenyl Guard 5um 14 x 4.6mm
0104F050PS050	ProntoSIL 120-5-Phenyl Guard 5um 14 x 4.0mm
1046F050PS050	ProntoSIL 120-5-Phenyl 5um 100 x 4.6mm
1004F050PS050	ProntoSIL 120-5-Phenyl 5um 100 x 4.0mm
1003F050PS050	ProntoSIL 120-5-Phenyl 5um 100 x 3.0mm
1002F050PS050	ProntoSIL 120-5-Phenyl 5um 100 x 2.0mm
1246F050PS050	ProntoSIL 120-5-Phenyl 5um 125 x 4.6mm
1204F050PS050	ProntoSIL 120-5-Phenyl 5um 125 x 4.0mm
1203F050PS050	ProntoSIL 120-5-Phenyl 5um 125 x 3.0mm
1202F050PS050	ProntoSIL 120-5-Phenyl 5um 125 x 2.0mm
1546F050PS050	ProntoSIL 120-5-Phenyl 5um 150 x 4.6mm
1504F050PS050	ProntoSIL 120-5-Phenyl 5um 150 x 4.0mm
1503F050PS050	ProntoSIL 120-5-Phenyl 5um 150 x 3.0mm

PART NUMBER	DESCRIPTION
1502F050PS050	ProntoSIL 120-5-Phenyl 5um 150 x 2.0mm
2046F050PS050	ProntoSIL 120-5-Phenyl 5um 200 x 4.6mm
2004F050PS050	ProntoSIL 120-5-Phenyl 5um 200 x 4.0mm
2003F050PS050	ProntoSIL 120-5-Phenyl 5um 200 x 3.0mm
2002F050PS050	ProntoSIL 120-5-Phenyl 5um 200 x 2.0mm
2546F050PS050	ProntoSIL 120-5-Phenyl 5um 250 x 4.6mm
2504F050PS050	ProntoSIL 120-5-Phenyl 5um 250 x 4.0mm
2503F050PS050	ProntoSIL 120-5-Phenyl 5um 250 x 3.0mm
2502F050PS050	ProntoSIL 120-5-Phenyl 5um 250 x 2.0mm
3046F050PS050	ProntoSIL 120-5-Phenyl 5um 300 x 4.6mm
3004F050PS050	ProntoSIL 120-5-Phenyl 5um 300 x 4.0mm
3003F050PS050	ProntoSIL 120-5-Phenyl 5um 300 x 3.0mm
3002F050PS050	ProntoSIL 120-5-Phenyl 5um 300 x 2.0mm
10P4F050PS050	ProntoSIL 120-5-Phenyl PEEK column 5um 100 x 4.0mm
12P4F050PS050	ProntoSIL 120-5-Phenyl PEEK column 5um 125 x 4.0mm
15P4F050PS050	ProntoSIL 120-5-Phenyl PEEK column 5um 150 x 4.0mm
20P4F050PS050	ProntoSIL 120-5-Phenyl PEEK column 5um 200 x 4.0mm
25P4F050PS050	ProntoSIL 120-5-Phenyl PEEK column 5um 250 x 4.0mm
30P4F050PS050	ProntoSIL 120-5-Phenyl PEEK column 5um 300 x 4.0mm
0146F050PS100	ProntoSIL 120-10-Phenyl Guard 10um 14 x 4.6mm
0104F050PS100	ProntoSIL 120-10-Phenyl Guard 10um 14 x 4.0mm
1046F050PS100	ProntoSIL 120-10-Phenyl 10um 100 x 4.6mm
1004F050PS100	ProntoSIL 120-10-Phenyl 10um 100 x 4.0mm
1003F050PS100	ProntoSIL 120-10-Phenyl 10um 100 x 3.0mm
1002F050PS100	ProntoSIL 120-10-Phenyl 10um 100 x 2.0mm
1246F050PS100	ProntoSIL 120-10-Phenyl 10um 125 x 4.6mm
1204F050PS100	ProntoSIL 120-10-Phenyl 10um 125 x 4.0mm
1203F050PS100	ProntoSIL 120-10-Phenyl 10um 125 x 3.0mm
1202F050PS100	ProntoSIL 120-10-Phenyl 10um 125 x 2.0mm
1546F050PS100	ProntoSIL 120-10-Phenyl 10um 150 x 4.6mm
1504F050PS100	ProntoSIL 120-10-Phenyl 10um 150 x 4.0mm
1503F050PS100	ProntoSIL 120-10-Phenyl 10um 150 x 3.0mm
1502F050PS100	ProntoSIL 120-10-Phenyl 10um 150 x 2.0mm
2046F050PS100	ProntoSIL 120-10-Phenyl 10um 200 x 4.6mm
2004F050PS100	ProntoSIL 120-10-Phenyl 10um 200 x 4.0mm
2003F050PS100	ProntoSIL 120-10-Phenyl 10um 200 x 3.0mm
2002F050PS100	ProntoSIL 120-10-Phenyl 10um 200 x 2.0mm
2546F050PS100	ProntoSIL 120-10-Phenyl 10um 250 x 4.6mm
2504F050PS100	ProntoSIL 120-10-Phenyl 10um 250 x 4.0mm
2503F050PS100	ProntoSIL 120-10-Phenyl 10um 250 x 3.0mm
2502F050PS100	ProntoSIL 120-10-Phenyl 10um 250 x 2.0mm
3046F050PS100	ProntoSIL 120-10-Phenyl 10um 300 x 4.6mm
3004F050PS100	ProntoSIL 120-10-Phenyl 10um 300 x 4.0mm
3003F050PS100	ProntoSIL 120-10-Phenyl 10um 300 x 3.0mm

PART NUMBER	DESCRIPTION
3002F050PS100	ProntoSIL 120-10-Phenyl 10um 300 x 2.0mm
10P4F050PS100	ProntoSIL 120-10-Phenyl PEEK column 10um 100 x 4.0mm
12P4F050PS100	ProntoSIL 120-10-Phenyl PEEK column 10um 125 x 4.0mm
15P4F050PS100	ProntoSIL 120-10-Phenyl PEEK column 10um 150 x 4.0mm
20P4F050PS100	ProntoSIL 120-10-Phenyl PEEK column 10um 200 x 4.0mm
25P4F050PS100	ProntoSIL 120-10-Phenyl PEEK column 10um 250 x 4.0mm
30P4F050PS100	ProntoSIL 120-10-Phenyl PEEK column 10um 300 x 4.0mm
1246F440PS030	ProntoSIL 120-3-Enviro-PHE 3um 125 x 4.6mm

ProntoSIL CN Columns(3um, 5um, 10um)

PART NUMBER	DESCRIPTION
0146F200PS030	ProntoSIL 120-3-CN Guard 3um 14 x 4.6mm
0104F200PS030	ProntoSIL 120-3-CN Guard 3um 14 x 4.0mm
1046F200PS030	ProntoSIL 120-3-CN 3um 100 x 4.6mm
1004F200PS030	ProntoSIL 120-3-CN 3um 100 x 4.6mm
1003F200PS030	ProntoSIL 120-3-CN 3um 100 x 3.0mm
1002F200PS030	ProntoSIL 120-3-CN 3um 100 x 2.0mm
1246F200PS030	ProntoSIL 120-3-CN 3um 125 x 4.6mm
1204F200PS030	ProntoSIL 120-3-CN 3um 125 x 4.0mm
1203F200PS030	ProntoSIL 120-3-CN 3um 125 x 3.0mm
1202F200PS030	ProntoSIL 120-3-CN 3um 125 x 2.0mm
1546F200PS030	ProntoSIL 120-3-CN 3um 150 x 4.6mm
1504F200PS030	ProntoSIL 120-3-CN 3um 150 x 4.0mm
1503F200PS030	ProntoSIL 120-3-CN 3um 150 x 3.0mm
1502F200PS030	ProntoSIL 120-3-CN 3um 150 x 2.0mm
2046F200PS030	ProntoSIL 120-3-CN 3um 200 x 4.6mm
2004F200PS030	ProntoSIL 120-3-CN 3um 200 x 4.0mm
2003F200PS030	ProntoSIL 120-3-CN 3um 200 x 3.0mm
2002F200PS030	ProntoSIL 120-3-CN 3um 200 x 2.0mm
2546F200PS030	ProntoSIL 120-3-CN 3um 250 x 4.6mm
2504F200PS030	ProntoSIL 120-3-CN 3um 250 x 4.0mm
2503F200PS030	ProntoSIL 120-3-CN 3um 250 x 3.0mm
2502F200PS030	ProntoSIL 120-3-CN 3um 250 x 2.0mm
10P4F200PS030	ProntoSIL 120-3-CN PEEK column 3um 100 x 4.0mm
12P4F200PS030	ProntoSIL 120-3-CN PEEK column 3um 125 x 4.0mm
15P4F200PS030	ProntoSIL 120-3-CN PEEK column 3um 150 x 4.0mm
20P4F200PS030	ProntoSIL 120-3-CN PEEK column 3um 200 x 4.0mm
25P4F200PS030	ProntoSIL 120-3-CN PEEK column 3um 250 x 4.0mm
0146F200PS050	ProntoSIL 120-5-CN Guard 5um 14 x 4.6mm
0104F200PS050	ProntoSIL 120-5-CN Guard 5um 14 x 4.0mm
1046F200PS050	ProntoSIL 120-5-CN 5um 100 x 4.6mm
1004F200PS050	ProntoSIL 120-5-CN 5um 100 x 4.0mm
1003F200PS050	ProntoSIL 120-5-CN 5um 100 x 3.0mm
1002F200PS050	ProntoSIL 120-5-CN 5um 100 x 2.0mm
1246F200PS050	ProntoSIL 120-5-CN 5um 125 x 4.6mm
1204F200PS050	ProntoSIL 120-5-CN 5um 125 x 4.0mm
1203F200PS050	ProntoSIL 120-5-CN 5um 125 x 3.0mm

PART NUMBER	DESCRIPTION
1202F200PS050	ProntoSIL 120-5-CN 5um 125 x 2.0mm
1546F200PS050	ProntoSIL 120-5-CN 5um 150 x 4.6mm
1504F200PS050	ProntoSIL 120-5-CN 5um 150 x 4.0mm
1503F200PS050	ProntoSIL 120-5-CN 5um 150 x 3.0mm
1502F200PS050	ProntoSIL 120-5-CN 5um 150 x 2.0mm
2046F200PS050	ProntoSIL 120-5-CN 5um 200 x 4.6mm
2004F200PS050	ProntoSIL 120-5-CN 5um 200 x 4.0mm
2003F200PS050	ProntoSIL 120-5-CN 5um 200 x 3.0mm
2002F200PS050	ProntoSIL 120-5-CN 5um 200 x 2.0mm
2546F200PS050	ProntoSIL 120-5-CN 5um 250 x 4.6mm
2504F200PS050	ProntoSIL 120-5-CN 5um 250 x 4.0mm
2503F200PS050	ProntoSIL 120-5-CN 5um 250 x 3.0mm
2502F200PS050	ProntoSIL 120-5-CN 5um 250 x 2.0mm
3046F200PS050	ProntoSIL 120-5-CN 5um 300 x 4.6mm
3004F200PS050	ProntoSIL 120-5-CN 5um 300 x 4.0mm
3003F200PS050	ProntoSIL 120-5-CN 5um 300 x 3.0mm
3002F200PS050	ProntoSIL 120-5-CN 5um 300 x 2.0mm
10P4F200PS050	ProntoSIL 120-5-CN PEEK column 5um 100 x 4.0mm
12P4F200PS050	ProntoSIL 120-5-CN PEEK column 5um 125 x 4.0mm
15P4F200PS050	ProntoSIL 120-5-CN PEEK column 5um 150 x 4.0mm
20P4F200PS050	ProntoSIL 120-5-CN PEEK column 5um 200 x 4.0mm
25P4F200PS050	ProntoSIL 120-5-CN PEEK column 5um 250 x 4.0mm
30P4F200PS050	ProntoSIL 120-5-CN PEEK column 5um 300 x 4.0mm
0146F200PS100	ProntoSIL 120-10-CN Guard 10um 14 x 4.6mm
0104F200PS100	ProntoSIL 120-10-CN Guard 10um 14 x 4.0mm
1046F200PS100	ProntoSIL 120-10-CN 10um 100 x 4.6mm
1004F200PS100	ProntoSIL 120-10-CN 10um 100 x 4.0mm
1003F200PS100	ProntoSIL 120-10-CN 10um 100 x 3.0mm
1002F200PS100	ProntoSIL 120-10-CN 10um 100 x 2.0mm
1246F200PS100	ProntoSIL 120-10-CN 10um 125 x 4.6mm
1204F200PS100	ProntoSIL 120-10-CN 10um 125 x 4.0mm
1203F200PS100	ProntoSIL 120-10-CN 10um 125 x 3.0mm
1202F200PS100	ProntoSIL 120-10-CN 10um 125 x 2.0mm
1546F200PS100	ProntoSIL 120-10-CN 10um 150 x 4.6mm
1504F200PS100	ProntoSIL 120-10-CN 10um 150 x 4.0mm
1503F200PS100	ProntoSIL 120-10-CN 10um 150 x 3.0mm

PART NUMBER	DESCRIPTION
1502F200PS100	ProntoSIL 120-10-CN 10um 150 x 2.0mm
2046F200PS100	ProntoSIL 120-10-CN 10um 200 x 4.6mm
2004F200PS100	ProntoSIL 120-10-CN 10um 200 x 4.0mm
2003F200PS100	ProntoSIL 120-10-CN 10um 200 x 3.0mm
2002F200PS100	ProntoSIL 120-10-CN 10um 200 x 2.0mm
2546F200PS100	ProntoSIL 120-10-CN 10um 250 x 4.6mm
2504F200PS100	ProntoSIL 120-10-CN 10um 250 x 4.0mm
2503F200PS100	ProntoSIL 120-10-CN 10um 250 x 3.0mm
2502F200PS100	ProntoSIL 120-10-CN 10um 250 x 2.0mm
3046F200PS100	ProntoSIL 120-10-CN 10um 300 x 4.6mm
3004F200PS100	ProntoSIL 120-10-CN 10um 300 x 4.0mm
3003F200PS100	ProntoSIL 120-10-CN 10um 300 x 3.0mm
3002F200PS100	ProntoSIL 120-10-CN 10um 300 x 2.0mm
10P4F200PS100	ProntoSIL 120-10-CN PEEK column 10um 100 x 4.0mm
12P4F200PS100	ProntoSIL 120-10-CN PEEK column 10um 125 x 4.0mm
15P4F200PS100	ProntoSIL 120-10-CN PEEK column 10um 150 x 4.0mm
20P4F200PS100	ProntoSIL 120-10-CN PEEK column 10um 200 x 4.0mm
25P4F200PS100	ProntoSIL 120-10-CN PEEK column 10um 250 x 4.0mm
30P4F200PS100	ProntoSIL 120-10-CN PEEK column 10um 300 x 4.0mm

ProntoSIL DIOL Columns(3um, 5um, 10um)

PART NUMBER	DESCRIPTION
0146F410PS030	ProntoSIL 120-3-DIOL Guard 3um 14 x 4.6mm
0104F410PS030	ProntoSIL 120-3-DIOL Guard 3um 14 x 4.0mm
1046F410PS030	ProntoSIL 120-3-DIOL 3um 100 x 4.6mm
1004F410PS030	ProntoSIL 120-3-DIOL 3um 100 x 4.6mm
1003F410PS030	ProntoSIL 120-3-DIOL 3um 100 x 3.0mm
1002F410PS030	ProntoSIL 120-3-DIOL 3um 100 x 2.0mm
1246F410PS030	ProntoSIL 120-3-DIOL 3um 125 x 4.6mm
1204F410PS030	ProntoSIL 120-3-DIOL 3um 125 x 4.0mm
1203F410PS030	ProntoSIL 120-3-DIOL 3um 125 x 3.0mm
1202F410PS030	ProntoSIL 120-3-DIOL 3um 125 x 2.0mm
1546F410PS030	ProntoSIL 120-3-DIOL 3um 150 x 4.6mm
1504F410PS030	ProntoSIL 120-3-DIOL 3um 150 x 4.0mm
1503F410PS030	ProntoSIL 120-3-DIOL 3um 150 x 3.0mm
1502F410PS030	ProntoSIL 120-3-DIOL 3um 150 x 2.0mm
2046F410PS030	ProntoSIL 120-3-DIOL 3um 200 x 4.6mm
2004F410PS030	ProntoSIL 120-3-DIOL 3um 200 x 4.0mm
2003F410PS030	ProntoSIL 120-3-DIOL 3um 200 x 3.0mm
2002F410PS030	ProntoSIL 120-3-DIOL 3um 200 x 2.0mm
2546F410PS030	ProntoSIL 120-3-DIOL 3um 250 x 4.6mm
2504F410PS030	ProntoSIL 120-3-DIOL 3um 250 x 4.0mm
2503F410PS030	ProntoSIL 120-3-DIOL 3um 250 x 3.0mm
2502F410PS030	ProntoSIL 120-3-DIOL 3um 250 x 2.0mm
10P4F410PS030	ProntoSIL 120-3-DIOL PEEK column 3um 100 x 4.0mm
12P4F410PS030	ProntoSIL 120-3-DIOL PEEK column 3um 125 x 4.0mm
15P4F410PS030	ProntoSIL 120-3-DIOL PEEK column 3um 150 x 4.0mm
20P4F410PS030	ProntoSIL 120-3-DIOL PEEK column 3um 200 x 4.0mm
25P4F410PS030	ProntoSIL 120-3-DIOL PEEK column 3um 250 x 4.0mm
0146F410PS050	ProntoSIL 120-5-DIOL Guard 5um 14 x 4.6mm
0104F410PS050	ProntoSIL 120-5-DIOL Guard 5um 14 x 4.0mm
1046F410PS050	ProntoSIL 120-5-DIOL 5um 100 x 4.6mm
1004F410PS050	ProntoSIL 120-5-DIOL 5um 100 x 4.0mm
1003F410PS050	ProntoSIL 120-5-DIOL 5um 100 x 3.0mm
1002F410PS050	ProntoSIL 120-5-DIOL 5um 100 x 2.0mm
1246F410PS050	ProntoSIL 120-5-DIOL 5um 125 x 4.6mm
1204F410PS050	ProntoSIL 120-5-DIOL 5um 125 x 4.0mm
1203F410PS050	ProntoSIL 120-5-DIOL 5um 125 x 3.0mm

PART NUMBER	DESCRIPTION
1202F410PS050	ProntoSIL 120-5-DIOL 5um 125 x 2.0mm
1546F410PS050	ProntoSIL 120-5-DIOL 5um 150 x 4.6mm
1504F410PS050	ProntoSIL 120-5-DIOL 5um 150 x 4.0mm
1503F410PS050	ProntoSIL 120-5-DIOL 5um 150 x 3.0mm
1502F410PS050	ProntoSIL 120-5-DIOL 5um 150 x 2.0mm
2046F410PS050	ProntoSIL 120-5-DIOL 5um 200 x 4.6mm
2004F410PS050	ProntoSIL 120-5-DIOL 5um 200 x 4.0mm
2003F410PS050	ProntoSIL 120-5-DIOL 5um 200 x 3.0mm
2002F410PS050	ProntoSIL 120-5-DIOL 5um 200 x 2.0mm
2546F410PS050	ProntoSIL 120-5-DIOL 5um 250 x 4.6mm
2504F410PS050	ProntoSIL 120-5-DIOL 5um 250 x 4.0mm
2503F410PS050	ProntoSIL 120-5-DIOL 5um 250 x 3.0mm
2502F410PS050	ProntoSIL 120-5-DIOL 5um 250 x 2.0mm
3046F410PS050	ProntoSIL 120-5-DIOL 5um 300 x 4.6mm
3004F410PS050	ProntoSIL 120-5-DIOL 5um 300 x 4.0mm
3003F410PS050	ProntoSIL 120-5-DIOL 5um 300 x 3.0mm
3002F410PS050	ProntoSIL 120-5-DIOL 5um 300 x 2.0mm
10P4F410PS050	ProntoSIL 120-5-DIOL PEEK column 5um 100 x 4.0mm
12P4F410PS050	ProntoSIL 120-5-DIOL PEEK column 5um 125 x 4.0mm
15P4F410PS050	ProntoSIL 120-5-DIOL PEEK column 5um 150 x 4.0mm
20P4F410PS050	ProntoSIL 120-5-DIOL PEEK column 5um 200 x 4.0mm
25P4F410PS050	ProntoSIL 120-5-DIOL PEEK column 5um 250 x 4.0mm
30P4F410PS050	ProntoSIL 120-5-DIOL PEEK column 5um 300 x 4.0mm
0146F410PS100	ProntoSIL 120-10-DIOL Guard 10um 14 x 4.6mm
0104F410PS100	ProntoSIL 120-10-DIOL Guard 10um 14 x 4.0mm
1046F410PS100	ProntoSIL 120-10-DIOL 10um 100 x 4.6mm
1004F410PS100	ProntoSIL 120-10-DIOL 10um 100 x 4.0mm
1003F410PS100	ProntoSIL 120-10-DIOL 10um 100 x 3.0mm
1002F410PS100	ProntoSIL 120-10-DIOL 10um 100 x 2.0mm
1246F410PS100	ProntoSIL 120-10-DIOL 10um 125 x 4.6mm
1204F410PS100	ProntoSIL 120-10-DIOL 10um 125 x 4.0mm
1203F410PS100	ProntoSIL 120-10-DIOL 10um 125 x 3.0mm
1202F410PS100	ProntoSIL 120-10-DIOL 10um 125 x 2.0mm
1546F410PS100	ProntoSIL 120-10-DIOL 10um 150 x 4.6mm
1504F410PS100	ProntoSIL 120-10-DIOL 10um 150 x 4.0mm

PART NUMBER	DESCRIPTION
1503F410PS100	ProntoSIL 120-10-DIOL 10um 150 x 3.0mm
1502F410PS100	ProntoSIL 120-10-DIOL 10um 150 x 2.0mm
2046F410PS100	ProntoSIL 120-10-DIOL 10um 200 x 4.6mm
2004F410PS100	ProntoSIL 120-10-DIOL 10um 200 x 4.0mm
2003F410PS100	ProntoSIL 120-10-DIOL 10um 200 x 3.0mm
2002F410PS100	ProntoSIL 120-10-DIOL 10um 200 x 2.0mm
2546F410PS100	ProntoSIL 120-10-DIOL 10um 250 x 4.6mm
2504F410PS100	ProntoSIL 120-10-DIOL 10um 250 x 4.0mm
2503F410PS100	ProntoSIL 120-10-DIOL 10um 250 x 3.0mm
2502F410PS100	ProntoSIL 120-10-DIOL 10um 250 x 2.0mm
3046F410PS100	ProntoSIL 120-10-DIOL 10um 300 x 4.6mm
3004F410PS100	ProntoSIL 120-10-DIOL 10um 300 x 4.0mm
3003F410PS100	ProntoSIL 120-10-DIOL 10um 300 x 3.0mm
3002F410PS100	ProntoSIL 120-10-DIOL 10um 300 x 2.0mm
10P4F410PS100	ProntoSIL 120-10-DIOL PEEK column 10um 100 x 4.0mm
12P4F410PS100	ProntoSIL 120-10-DIOL PEEK column 10um 125 x 4.0mm
15P4F410PS100	ProntoSIL 120-10-DIOL PEEK column 10um 150 x 4.0mm
20P4F410PS100	ProntoSIL 120-10-DIOL PEEK column 10um 200 x 4.0mm
25P4F410PS100	ProntoSIL 120-10-DIOL PEEK column 10um 250 x 4.0mm
30P4F410PS100	ProntoSIL 120-10-DIOL PEEK column 10um 300 x 4.0mm

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