



SPRITE DIRECT CONNECT HPLC COLUMN



The Sprite family of narrowbore HPLC columns is a unique high performance product for LC-MS and other high-speed, small volume applications. All three sizes of 2.1mm I.D Sprite HPLC columns are individually tested. A Certificate of Analysis accompanies each column. As pictured on the back page, the Sprite's certificate includes the original chromatogram and comprehensive testing and sorbent documentation.

The inert PEEK and titanium design has been proven to be structurally sound to over 5,000 PSI (340Bar).

Sizes	10x2.1mm, 20x2.1mm and 40x2.1mm
Threads	10-32 (male and female)
Frits	Titanium with 2µm porosity
Body	PEEK (polyetheretherketone)
Pressure Limit	5,000 PSI (340 Bar)
Phases	Available with a wide range of sorbent types
C of A	Each Sprite includes a certificate of analysis and test chromatogram
Flow	Mobile phase flow can be in either direction

Applications Unique features of these direct connect HPLC columns include an inert PEEK/titanium construction making Sprites ideal for LC-MS applications, ballistic gradient chromatography, and very high throughput screening. High efficiency and packed bed stability. Sprites are extremely versatile since they can be connected directly to sample injectors as well as mass spectrometer sources. They work equally well in either flow direction and can even have the flow direction changed rapidly for trace enrichment and multidimensional column switching applications.





CLYPEUS Sprite

CLYPEUS C8 5µm 10X2.1mm CR-0121-C085	2.1mm I.D. SPRITE Columns 20X2.1mm CR-0221-C085	40X2.1mm CR-0421-C085
CLYPEUS C18 5µm 10X2.1mm CR-0121-C185	2.1mm I.D. SPRITE Columns 20X2.1mm CR-0221-C185	40X2.1mm CR-0421-C185
CLYPEUS Cyano 5µm 10X2.1mm CR-0121-CNP5	2.1mm I.D. SPRITE Columns 20X2.1mm CR-0221-CNP5	40X2.1mm CR-0421-CNP5
CLYPEUS Phenyl 5µm 10X2.1mm CR-0121-PHN5	2.1mm I.D. SPRITE Columns 20X2.1mm CR-0221-PHN5	40X2.1mm CR-0421-PHN5



HAISIL 100 Sprite

HAISIL 100 C8 5µm 10X2.1mm HR-0121-M085	2.1mm I.D. SPRITE Columns 20X2.1mm HR-0221-M085	40X2.1mm HR-0421-M085
HAISIL 100 C18 5µm 10X2.1mm HR-0121-M185	2.1mm I.D. SPRITE Columns 20X2.1mm HR-0221-M185	40X2.1mm HR-0421-M185



HAISIL 300 Sprite

HAISIL 300 C4 5µm 10X2.1mm HR-0121-W045	2.1mm I.D. SPRITE Columns 20X2.1mm HR-0221-W045	40X2.1mm HR-0421-W045
HAISIL 300 C8 5µm 10X2.1mm HR-0121-W085	2.1mm I.D. SPRITE Columns 20X2.1mm HR-0221-W085	40X2.1mm HR-0421-W085
HAISIL 300 C18 5µm 10X2.1mm HR-0121-W185	2.1mm I.D. SPRITE Columns 20X2.1mm HR-0221-W185	40X2.1mm HR-0421-W185



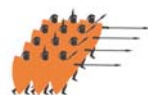
HAISIL HL Sprite

HAISIL HL C18 5µm 10X2.1mm LR-0121-C185	2.1mm I.D. SPRITE Columns 20X2.1mm LR-0221-C185	40X2.1mm LR-0421-C185
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KROMASIL Sprite

KROMASIL 100 C18 5µm 10X2.1mm KR-0121-C185	2.1mm I.D. SPRITE Columns 20X2.1mm KR-0221-C185	40X2.1mm KR-0421-C185
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PHALANX Sprite

PHALANX C18 5µm 10X2.1mm PR-0121-C185	2.1mm I.D. SPRITE Columns 20X2.1mm PR-0221-C185	40X2.1mm PR-0421-C185
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TARGA Sprite

TARGA C8 5µm 10X2.1mm TR-0121-C085	2.1mm I.D. SPRITE Columns 20X2.1mm TR-0221-C085	40X2.1mm TR-0421-C085
TARGA C18 5µm 10X2.1mm TR-0121-C185	2.1mm I.D. SPRITE Columns 20X2.1mm TR-0221-C185	40X2.1mm TR-0421-C185

Higgins Analytical manufactures a wide range of small column and cartridge formats with polymeric phases from Polymer Labs Ltd.

This powerful array of media provides chromatographers with unique solutions for challenging HPLC applications. In addition to not having the pH limitations inherent to all silica-based sorbents, these polymeric phases provide an orthogonal tool for addressing difficult protocols and multidimensional techniques. The relatively high capacity and unique selectivity of these robust phases can often provide a separation under harsh conditions that cannot be addressed with popular silica-based columns.

The rigid porous structure and chemical stability of Polymer Labs media make them compatible with the wide range organic solvents typically used in modern HPLC methods. In addition to insuring long mechanical and chemical life times, this robustness also provides an ability for these polymeric phases to be rejuvenated under chemical and thermal conditions that would be unthinkable to subject a conventional HPLC column.

The uniform hydrophobicity and absence of acidic silanols make this family of polymeric phases ideal for many biomolecule separations.

POLYMERIC Reverse Phase Sprite

POLYMERIC PLRR-S 100Å 3µm	2.1mm I.D. SPRITE Columns
10X2.1mm PLR-0121-RP13	20X2.1mm PLR-0221-RP13
POLYMERIC PLRR-S 300Å 3µm	2.1mm I.D. SPRITE Columns
10X2.1mm PLR-0121-RP33	20X2.1mm PLR-0221-RP33
POLYMERIC PLRR-S 1000Å 5µm	2.1mm I.D. SPRITE Columns
10X2.1mm PLR-0121-RPK5	20X2.1mm PLR-0221-RPK5
POLYMERIC PLRR-S 4000Å 5µm	2.1mm I.D. SPRITE Columns
10X2.1mm PLR-0121-RP4K5	20X2.1mm PLR-0221-RP4K5

POLYMERIC Strong Anion Exchange Sprite

POLYMERIC SAX 1000Å 5µm	2.1mm I.D. SPRITE Columns
10X2.1mm PLR-0121-AXK5	20X2.1mm PLR-0221-AXK5
POLYMERIC SAX 4000Å 5µm	2.1mm I.D. SPRITE Columns
10X2.1mm PLR-0121-AX4K5	20X2.1mm PLR-0221-AX4K5

POLYMERIC Strong Cation Exchange Sprite

POLYMERIC SCX 1000Å 5µm	2.1mm I.D. SPRITE Columns
10X2.1mm PLR-0121-SCXK5	20X2.1mm PLR-0221-SCXK5
POLYMERIC SCX 4000Å 5µm	2.1mm I.D. SPRITE Columns
10X2.1mm PLR-0121-SCX4K5	20X2.1mm PLR-0221-SCX4K5

POLYMERIC Weak Anion Exchange Sprite

POLYMERIC WAX 1000Å 5µm	2.1mm I.D. SPRITE Columns
10X2.1mm PLR-0121-WAXK5	20X2.1mm PLR-0221-WAXK5
POLYMERIC WAX 4000Å 5µm	2.1mm I.D. SPRITE Columns
10X2.1mm PLR-0121-WAX4K5	20X2.1mm PLR-0221-WAX4K5

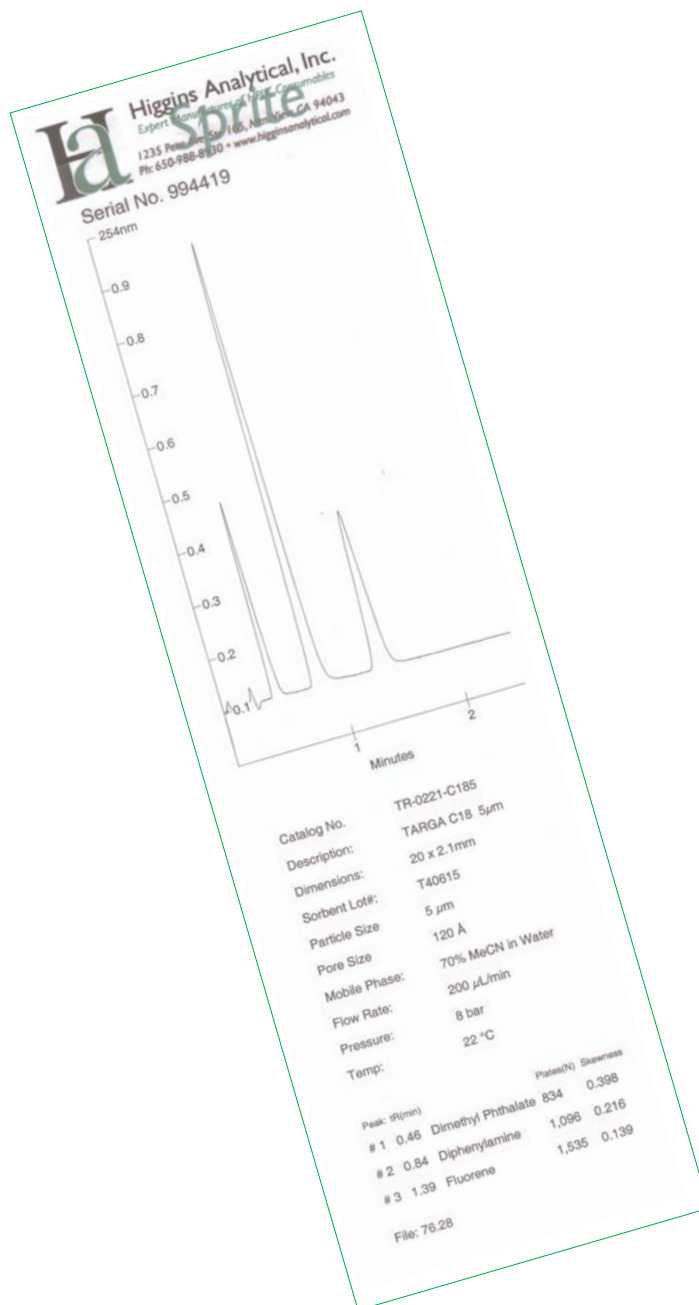
POLYMERIC Weak Cation Exchange Sprite

POLYMERIC WCX 1000Å 5µm	2.1mm I.D. SPRITE Columns
10X2.1mm PLR-0121-WCXK5	20X2.1mm PLR-0221-WCXK5
POLYMERIC WCX 4000Å 5µm	2.1mm I.D. SPRITE Columns
10X2.1mm PLR-0121-WCX4K5	20X2.1mm PLR-0221-WCX4K5

Higgins Analytical develops and manufactures a wide range of stainless steel and PEEK (polyetheretherketone) High Performance Liquid Chromatography (HPLC) columns and cartridges. These unique offerings address many needs of chromatographers desiring fast analysis times, efficient system and column protection, and chemical inertness.

Special application areas include LC/MS, combinatorial chemistry, column switching techniques, in-line filtration, and guard column requirements. Products are supplied and supported worldwide by a network of responsive distributors.

We are a quality-oriented chromatography company dedicated to providing performance products, expert support, and rapid delivery to research and quality control laboratories worldwide.



**Higgins
Analytical**

*Expert Manufacturers of
HPLC Consumables*

Distributed by:
 The Nest Group, Inc.
 45 Valley Road
 Southborough, MA 01772 USA
 Phone: 508-481-6223 or 800-347-6378
 Fax: 508-485-5736
 E-mail info@nestgrp.com
 www.nestgrp.com