

Higgins Analytical Targa HPLC Columns

Targa Analytical Guard Cartridges

TARGA™ Guard Cartridges 20mm Length, 5/pk

Phase	Particle Size	3.2mm ID SS	2.1mm ID PEEK
C18	5µm	T118	TK-0221-C185
C8	5µm	T108	TK-0221-C085

Guard Cartridge Holder Kits

Cat. No.	Description
HK-GUARD-FM	Direct-Connect (female/male)
WK-GUARD-FM	Direct-Connect for Waters columns
HK-GUARD-FF	Symmetrical Connection (female/female)

Piccolo™ Short Microbore Columns

- Tested and supplied with Certificate of Analysis
- PEEK/Titanium construction
- 6-32 threads for capillary fittings
- Typical applications: LC-MS, ballistic gradients, desalting, trap column, trace enrichment, guard column



Targa Piccolo Short Microbore HPLC Columns

Cat. No.	Description
TP-0101-C185	C18 Targa, 1.0mm ID x 10mm
TP-M501-C185	C18 Targa, 1.0mm ID x 5mm
TP-M2M5-C185	C18 Targa, 0.5mm ID x 2.5mm


Direct Connect Sprite™ HPLC Columns

- Tested and supplied with Certificate of Analysis
- Direct connect (10-32 thread) Sprite HPLC columns require no tools for leak-free finger-tight connection
- Available in the Targa, Clipeus, and Haisil HL material



Targa Direct Connect Sprite™ Ordering Information

Cat. No.	Description
TR-0421-C185	C18 Targa, 2.1mm ID x 40mm
TR-0221-C185	C18 Targa, 2.1mm ID x 20mm
TR-0121-C185	C18 Targa, 2.1mm ID x 10mm



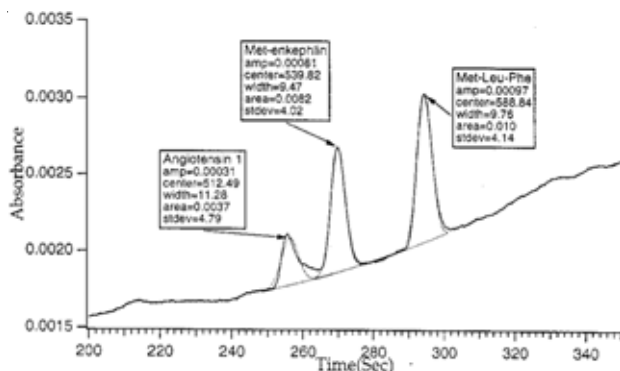
New! Capellini™ HPLC Columns are robust, high performance capillary HPLC columns for LC-MS and other small scale applications. Each column is tested and supplied with CofA. The column is made of PEEK/Titanium fittings, 6-32 threads.

LC/MS without TFA

Researchers have shown that Higgins Analytical's TARGA C8 and C18 phases have an extremely well protected silanol surface. An acetonitrile/water 1%/min gradients with as little as 0.05% acetic acid gives a very satisfactory peptide map on a short 5cm x 1mm TARGA C18 column. The ability to buffer with acetic or formic acid rather than TFA greatly enhances signals for LC/MS techniques.

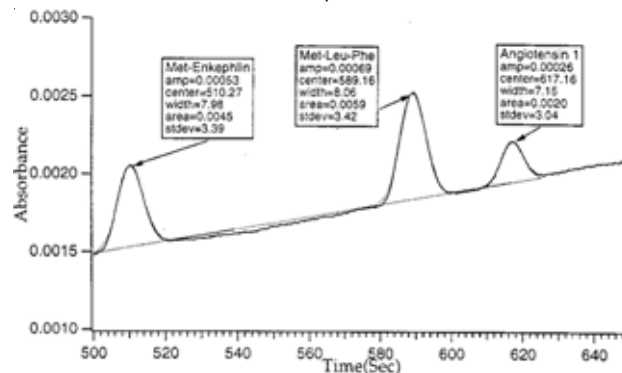
Basic Peptides

with 0.1% Acetic Acid pH 2.2
TARGA C18 5µm 50x1.0mm



Basic Peptides

with 0.1% TFA pH 2.2
TARGA C18 5µm 50x1.0mm



While TARGA columns give exceptional performance without TFA buffer, it does not mean that you are precluded from using it. In fact, the changes in selectivity that comes with changing buffer acids can be a powerful tool for separation optimization. Notice how the peptide elution orders change between the acetic acid and TFA buffered chromatograms.