



LC Columns

NEW! Roc™ LC Columns: The Reliable Cornerstone for Your LC Lab

Conventional HPLC columns built for solid performance, exceptional value, and compact storage.

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Roc™ LC Columns

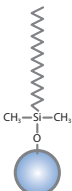
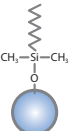
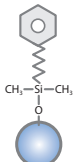
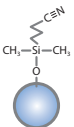

- Conventional HPLC column built to be the cornerstone for your lab; pressure rated for any 400-bar HPLC system.
- Solid and reliable—delivers the peak shape, reproducibility, ruggedness, and performance you demand.
- Exceptional value for large-volume workflows—high-purity silica backed by quality manufacturing features a variety of phases to fit most HPLC methods.
- Minimal packaging for compact storage—download serial #-specific certificates of analysis at www.restek.com/documentation

Get more of what you want, and less of what you don't, with Roc™ LC columns from Restek.

Order today at www.restek.com/roc



Roc™ Family of LC Phases

	C18	C8	Phenyl-Hexyl	Cyano	Silica
					
USP Phase Code	L1	L7	L11	L10	L3
Stationary Phase Category	C18, octadecylsilane	C8, octylsilane	phenyl	cyano	bare silica
Ligand Type	monomeric C18	monomeric C8	phenyl-hexyl	cyanopropyl	n/a
Particle Size	3 µm or 5 µm, spherical	3 µm or 5 µm, spherical	3 µm or 5 µm, spherical	3 µm or 5 µm, spherical	3 µm or 5 µm, spherical
Pore Size	100 Å	100 Å	100 Å	100 Å	100 Å
Surface Area	300 m ² /g	300 m ² /g	300 m ² /g	300 m ² /g	300 m ² /g
Carbon Load	20%	12%	15%	8%	n/a
End-Cap	yes	yes	yes	yes	n/a
pH Range	2.5 to 8.0	2.5 to 8.0	2.0 to 8.0	2.5 to 8.0	2.5 to 8.0
Maximum Temperature	80 °C	80 °C	80 °C	80 °C	80 °C

Roc™ On with These Dependable LC Columns

Figure 1: Over 1,000 injections and Roc™ HPLC columns will still offer reliable performance, regardless of which dimension your method calls for.

% Efficiency vs # of Injections Roc™ 5 µm C18s @ 375 bar

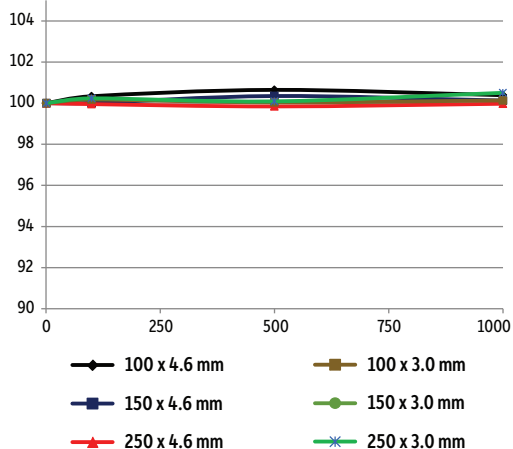


Figure 3: Add a Roc™ LC guard to further extend the life of your analytical column without impacting your retention, peak shape, or efficiency.

Peaks	tr (min)	Conc. (mg/mL)
1. Uracil	1.44	0.02
2. Toluene	3.96	3.00
3. Naphthalene	4.42	0.50
4. Biphenyl	5.31	0.06

Column: Roc™ C8 (cat.# 9533565); Dimensions: 150 mm x 4.6 mm ID; Particle Size: 5 µm; Pore Size: 100 Å;
Guard Column: Roc™ C8 10 mm, 4.0 mm ID, 5 µm (cat.# 953350210); Temp.: 30 °C;
Sample: Custom mix; Diluent: 50:50 Acetonitrile:water; Inj. Vol.: 2 µL;
Mobile Phase: A: Water, B: Acetonitrile; Gradient (%B): 0.00 min (70%), 8.00 min (70%); Flow: 1.0 mL/min;
Detector: UV @ 254 nm; **Instrument:** HPLC.

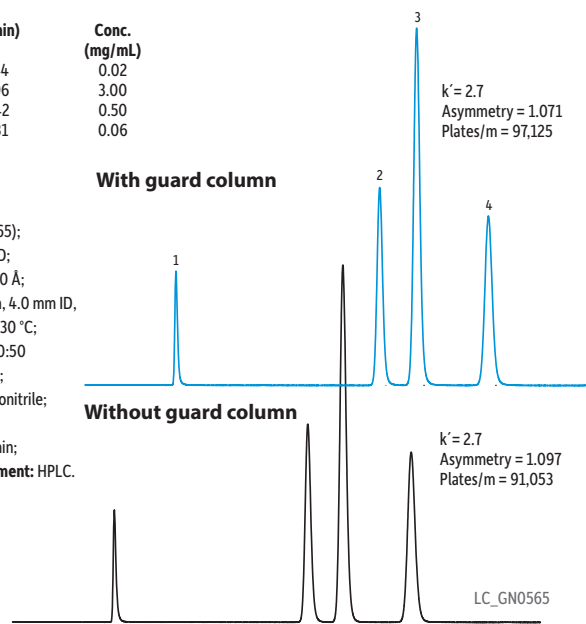
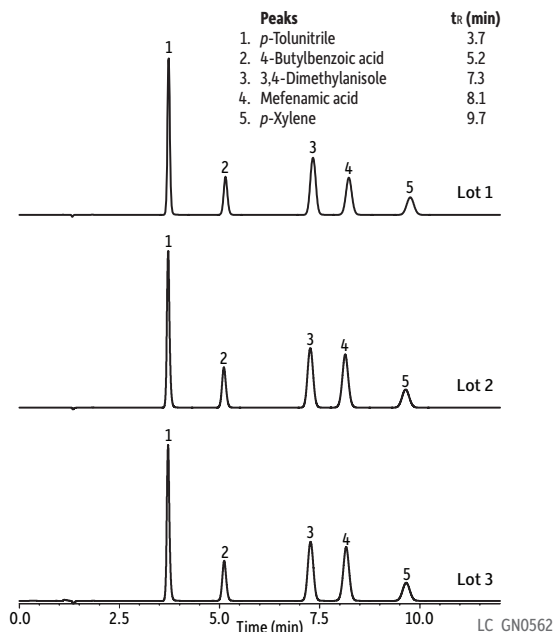


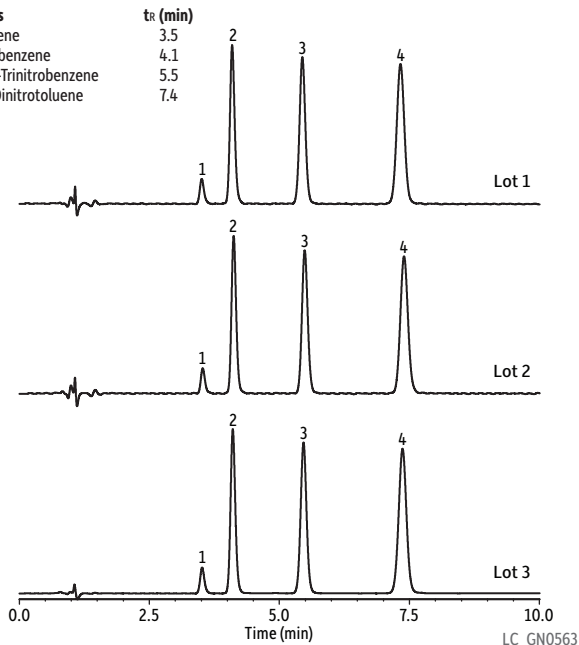
Figure 2: From one column to the next, one lot to the next, Roc™ columns offer results you can trust time and time again.

Reversed Phase



Column: Roc™ Cyano (cat.# 953631E); Dimensions: 100 mm x 3.0 mm ID; Particle Size: 3 µm; Pore Size: 100 Å; Temp.: 40 °C; **Sample:** Inj. Vol.: 1 µL; **Mobile Phase:** Water:acetonitrile (80:20); Flow: 0.6 mL/min; **Detector:** UV/Vis @ 254 nm; Cell Temp.: 40 °C; **Instrument:** HPLC.

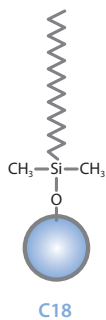
Normal Phase



Column: Roc™ Cyano (cat.# 953631E); Dimensions: 100 mm x 3.0 mm ID; Particle Size: 3 µm; Pore Size: 100 Å; Temp.: 40 °C; **Sample:** Inj. Vol.: 1 µL; **Mobile Phase:** Water:acetonitrile (80:20); Flow: 0.6 mL/min; **Detector:** UV/Vis @ 254 nm; Cell Temp.: 40 °C; **Instrument:** HPLC.

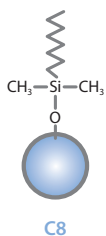
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Get Roc™ Solid Performance



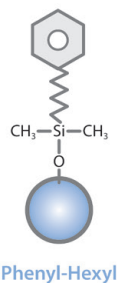
Roc™ C18 HPLC Columns (USP L1)

Length	3.0 mm cat.#	4.6 mm cat.#
3 μm Columns		
100 mm	953431E	9534315
150 mm	953436E	9534365
5 μm Columns		
100 mm	953451E	9534515
150 mm	953456E	9534565
250 mm	953457E	9534575



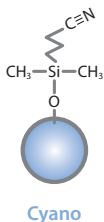
Roc™ C8 HPLC Columns (USP L7)

Length	3.0 mm cat.#	4.6 mm cat.#
3 μm Columns		
100 mm	953331E	9533315
150 mm	953336E	9533365
5 μm Columns		
100 mm	953351E	9533515
150 mm	953356E	9533565
250 mm	953357E	9533575



Roc™ Phenyl-Hexyl HPLC Columns (USP L11)

Length	3.0 mm cat.#	4.6 mm cat.#
3 μm Columns		
100 mm	953531E	9535315
150 mm	953536E	9535365
5 μm Columns		
100 mm	953551E	9535515
150 mm	953556E	9535565
250 mm	953557E	9535575



Roc™ Cyano HPLC Columns (USP L10)

Length	3.0 mm cat.#	4.6 mm cat.#
3 μm Columns		
100 mm	953631E	9536315
150 mm	953636E	9536365
5 μm Columns		
100 mm	953651E	9536515
150 mm	953656E	9536565
250 mm	953657E	9536575



Roc™ Silica HPLC Columns (USP L3)

Length	3.0 mm cat.#	4.6 mm cat.#
3 μm Columns		
100 mm	953031E	9530315
150 mm	953036E	9530365
5 μm Columns		
100 mm	953051E	9530515
150 mm	953056E	9530565
250 mm	953057E	9530575

Roc™ LC Guard Column Cartridges

- Protect your Roc™ LC columns with minimal effect on retention, peak shape, or efficiency.
- Guard column cartridges require Roc™ guard column holder (cat.# 25812).



Description	qty.	10 x 4.0 mm cat.#
Roc C8 Guard Cartridge	3-pk.	953350210
Roc C18 Guard Cartridge	3-pk.	953450210
Roc Cyano Guard Cartridge	3-pk.	953650210
Roc Phenyl-Hexyl Guard Cartridge	3-pk.	953550210
Roc Silica Guard Cartridge	3-pk.	953050210

Roc™ LC Guard Column Holder



Requires separate guard column cartridges; available from Restek.

Description	qty.	cat.#
Roc LC Guard Column Holder for 10 x 4.0 mm Roc Guard Cartridges	ea.	25812

Replacement PEEK Ferrules for Roc™ LC Guard Column Holder



Description	qty.	cat.#
Replacement PEEK Ferrules for Roc LC Guard Column Holder	3-pk.	26391

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