

Jones Apex™ Reversed-Phase Columns

JONES

Economical Column Line with Maximum Reproducibility and Efficiency

- Conventional 100Å pore size spherical silica
- Uniform-sized particle
- Narrow particle distribution
- Controlled surface area



Apex™ Phase Specifications

Phase	Base Material	Particle Shape	Particle Size	Pore Size	Surface Area	Carbon Load	Phase Type	Endcapped?	USP L-code
ODS	Silica	Spherical	3, 5, 10µm	100Å	170m ² /g	10%	Polymeric	Yes	L1
ODS II	Silica	Spherical	3, 5µm	100Å	170m ² /g	10.5%	Monomeric	Yes	L1
C8	Silica	Spherical	3, 5µm	100Å	170m ² /g	7%	Monomeric	No	L7
C8(EC)	Silica	Spherical	3, 5µm	100Å	170m ² /g	7%	Monomeric	Yes	L7
C1	Silica	Spherical	3, 5µm	100Å	170m ² /g	2.5%	Monomeric	Yes	L13
Diol	Silica	Spherical	3, 5µm	100Å	170m ² /g	3.5%	Monomeric	No	
Phe	Silica	Spherical	3, 5µm	100Å	170m ² /g	3%	Monomeric	Yes	L11
CN	Silica	Spherical	3, 5µm	100Å	170m ² /g	4%	Monomeric	No	L10
Amino (NH ₂)	Silica	Spherical	3, 5µm	100Å	170m ² /g	2%	Monomeric	No	L8
Amino II (NH ₂)	Silica	Spherical	3, 5µm	100Å	170m ² /g	2%	Monomeric	No	L8
Carbohydrate	Silica	Spherical	5µm	100Å	170m ² /g	—	Monomeric	Proprietary	—
Silica	Silica	Spherical	3, 5, 10µm	100Å	170m ² /g	n/a%	n/a	No	L3

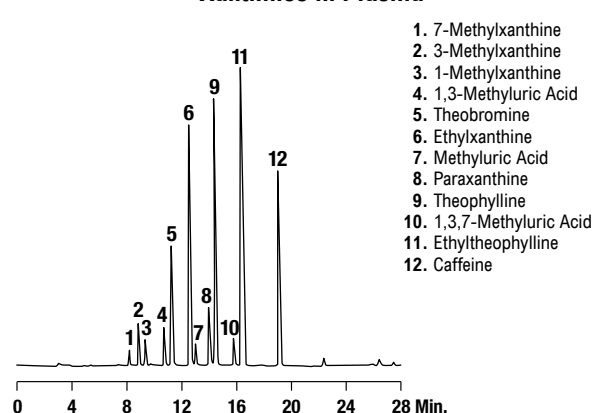
Apex™ HPLC Columns

Packing	Format	i.d. x Length	Part No.
ODS, 3µm	Analytical	4.6 x 50mm	5110394
	Analytical	4.6 x 30mm	5109740
	Analytical	4.6 x 50mm	5140902
	Analytical	4.6 x 150mm	5140900
	Analytical	4.6 x 250mm	5140901
ODS II, 3µm	Analytical	4.6 x 100mm	5110994
	Analytical	4.6 x 250mm	5111025
ODS II, 5µm	Analytical	4.6 x 50mm	5109944
	Analytical	4.6 x 100mm	5112992
	Analytical	4.6 x 150mm	5109730
C8, 5µm	Analytical	4.6 x 250mm	5109733
	Analytical	4.6 x 30mm	5112351
	Analytical	4.6 x 150mm	5109921
C8(EC), 5µm	Analytical	4.6 x 250mm	5109734
	Analytical	4.6 x 30mm	5112354
	Analytical	4.6 x 250mm	5109735
Diol, 5µm	Analytical	4.6 x 150mm	5120721
Phenyl, 5µm	Analytical	4.6 x 100mm	5110997
	Analytical	4.6 x 150mm	5110650
	Analytical	4.6 x 250mm	5109934
Cyano, 5µm	Analytical	4.6 x 250mm	5109737
Cyano II, 5µm	Analytical	4.6 x 250mm	5109933
Amino, 5µm	Analytical	4.6 x 150mm	5112313
	Analytical	4.6 x 250mm	5111029
Amino II, 3µm	Analytical	4.6 x 150mm	5111004
Silica, 3µm	Analytical	4.6 x 150mm	5109698
Silica, 5µm	Analytical	4.6 x 250mm	5110044
	Analytical	4.6 x 250mm	5111024

Apex™ Guard Columns

Packings	i.d. x Length	Part No.
ODS, 5µm	4 x 10mm	5110703
ODS II, 5µm	4 x 20mm	5110705
C8, 5µm	4 x 20mm	5112454
C8-EC, 5µm	4 x 10mm	5112425
Cyano, 5µm	4 x 10mm	5111079
Amino, 5µm	4 x 10mm	5111078
	4 x 20mm	5112455
Guard Cartridge Holder	10mm	F9111P
	20mm	F9112P

Xanthines in Plasma



1. 7-Methylxanthine
2. 3-Methylxanthine
3. 1-Methylxanthine
4. 1,3-Methyluric Acid
5. Theobromine
6. Ethylxanthine
7. Methyluric Acid
8. Paraxanthine
9. Theophylline
10. 1,3,7-Methyluric Acid
11. Ethyltheophylline
12. Caffeine

Column: Apex™ ODS II, C18, 5µm, 4.6 x 250mm
Flow Rate: 0.8mL/min
Mobile Phase: A: 10 mM NaOAc, 0.02% THF
 B: 10 mM NaOAc, 2.7% THF, 25% ACN
Gradient: Time: 0 | 35 |
 %B: 0 | 70 |
Column Temp: 50°C
Detector: UV at 273nm