

Analysis - HPLC - Interchim technology

Interchrom columns

Chromatography Report

Part Number : SG5OD2-25QS
mfg # 70809 lot SG002-5-6304

Column Information

Material : Siligel
Bonding : ODS2
Particle Size (µm) : 5
Length (mm) : 250
I.D. (mm) : 4.6

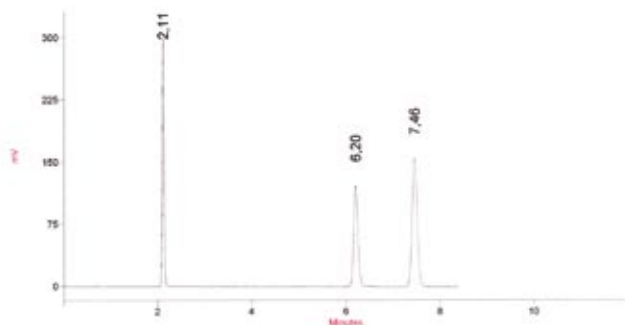
Test Conditions

Mobile Phase : ACN/H₂O-(70/30)
Flow Rate (mL/min) : 1
Pressure (bars) : 60
Temperature (°C) : 22
UV (nm) : 254
Sample Volume (µL) : 10



SHIPPING / STORAGE SOLVENT : Acetonitrile

#	Peak Name	RT	Tailing	Plates (USP)	Resolution (USP)
1	Uracil	2.11	1.10	16373.17	0.00
2	Toluene	6.20	1.15	22780.67	35.55
3	Naphtalene	7.46	1.07	22399.34	6.90



Accepted by :


www.interchim.com

Technical Support
Hot Line : 04 70 03 73 09
e-mail : interchim@interchim.com

211 bis Avenue Kennedy - BP 1140
92103 Montrouge Cedex - France
Tel. 33 (0)4 70 03 88 55
Fax 33 (0)4 70 03 62 60
e-mail : interchim@interchim.com

31 - 33 rue de Neuilly
92110 Clichy sur Seine - France
Tel. 33 (0)1 41 32 34 40
Fax 33 (0)1 47 91 23 90
e-mail : interchim.paris@interchim.com

Interchrom HPLC columns

Interchrom HPLC columns combine the benefits associated with Modulo-Cart hardware (see P. A28) with a range of original proprietary stationary phases from different manufacturers, highlighted on the following page.

The Interchrom range has been in production at Interchim's facilities for over 30 years. Each column is supplied with a report similar to that shown to guarantee column integrity. Column specific reports detail :

- Reference & Column number
- Stationary phase profile
- Column dimensions
- Verification of column performance, under stated test conditions
- Column storage solvent

Our whole range of Interchrom columns are shipped within 24 hours of ordering.

Interchrom columns may be available with the stationary phase /column dimensions of your choice. Please enquire.

Interchrom HPLC column guarantee

1. Interchrom columns always utilize the original manufacturer stationary phase relative to the patented brand owner.
2. Each phase batch undergoes strict quality control.
3. Every Modulo-Cart Quick Seal column is individually tested and delivered with its own chromatogram certificate.
4. Every Modulo-Cart Quick Seal produced fits the companies stringent standards of production.
5. Every Modulo-Cart Quick Seal is shipped within 24 working hours of receipt of order.

Analysis - HPLC - Interchim technology

Interchrom columns

Column specifications

Modulo-cart QS & QK	Ø int. : 4.6 mm				Ø int. : 4.0 mm			Ø int. : 3.0 mm				Ø int. : 2.0 mm			
	250 mm	150 mm	100 mm	50 mm	250 mm	150 mm	125 mm	250 mm	150 mm	100 mm	50 mm	250 mm	150 mm	100 mm	50 mm
Develosil	x	x	x	x				x	x			x	x	x	x
Inertsil series II	x	x	x	x				x	x		x	x	x	x	x
Inertsil series III	x	x	x	x				x	x		x	x	x	x	x
Kromasil	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Lichrosorb	x	x			x	x	x								
Lichrospher	x	x	x		x	x	x								
Nucléosil	x	x	x		x	x	x	x	x			x	x		
Partisil	x	x			x	x									
Siligel	x	x	x	x	x		x	x	x			x	x		
Superspher	x	x	x		x		x								
Yperspher	x	x	x	x	x		x	x	x			x			
Zorbax	x	x						x	x						



Analysis - HPLC - Interchim technology

Interchrom columns

Develosil® 100 Å

Silica manufacturer : Nomura Chemical

- Standard silica type A
- Spherical
- Surface area : 350 m²/g
- pH stability: 2 < pH < 7,5



	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Octadecyl 100Å - 350 m ² /g %C : 20 end-capped 3.1 µmol/m ²	C18	3 µm	50 x 2.0 mm	DV3C18#3QS	DV3C18#3QK
	C18	3 µm	100 x 2.0 mm	DV3C18#10QS	DV3C18#10QK
	C18	3 µm	150 x 2.0 mm	DV3C18#13QS	DV3C18#13QK
	C18	3 µm	150 x 3.0 mm	DV3C18\$13QS	DV3C18\$13QK
	C18	3 µm	50 x 4.6 mm	DV3C18-3QS	DV3C18-3QK
	C18	3 µm	100 x 4.6 mm	DV3C18-10QS	DV3C18-10QK
	C18	3 µm	150 x 4.6 mm	DV3C18-13QS	DV3C18-13QK
	C18	5 µm	50 x 2.0 mm	DV5C18#5QS	DV5C18#5QK
	C18	5 µm	100 x 2.0 mm	DV5C18#10QS	DV5C18#10QK
	C18	5 µm	150 x 2.0 mm	DV5C18#15QS	DV5C18#15QK
	C18	5 µm	250 x 2.0 mm	DV5C18#25QS	DV5C18#25QK
	C18	5 µm	150 x 3.0 mm	DV5C18\$15QS	DV5C18\$15QK
	C18	5 µm	250 x 3.0 mm	DV5C18\$25QS	DV5C18\$25QK
	C18	5 µm	50 x 4.6 mm	DV5C18-5QS	DV5C18-5QK
	C18	5 µm	100 x 4.6 mm	DV5C18-10QS	DV5C18-10QK
	C18	5 µm	150 x 4.6 mm	DV5C18-15QS	DV5C18-15QK
C18	5 µm	250 x 4.6 mm	DV5C18-25QS	DV5C18-25QK	
Octyl 100Å - 350 m ² /g %C : 13 end-capped 3.4 µmol/m ²	C8	5 µm	50 x 2.0 mm	DV5C8#5QS	DV5C8#5QK
	C8	5 µm	100 x 2.0 mm	DV5C8#10QS	DV5C8#10QK
	C8	5 µm	150 x 2.0 mm	DV5C8#15QS	DV5C8#15QK
	C8	5 µm	250 x 2.0 mm	DV5C8#25QS	DV5C8#25QK
	C8	5 µm	150 x 3.0 mm	DV5C8\$15QS	DV5C8\$15QK
	C8	5 µm	250 x 3.0 mm	DV5C8\$25QS	DV5C8\$25QK
	C8	5 µm	50 x 4.6 mm	DV5C8-5QS	DV5C8-5QK
	C8	5 µm	100 x 4.6 mm	DV5C8-10QS	DV5C8-10QK
	C8	5 µm	150 x 4.6 mm	DV5C8-15QS	DV5C8-15QK
	C8	5 µm	250 x 4.6 mm	DV5C8-25QS	DV5C8-25QK
Methyl 100Å - 350 m ² /g %C : 5 4.2 µmol/m ²	C1	5 µm	50 x 2.0 mm	DV5C1#5QS	DV5C1#5QK
	C1	5 µm	100 x 2.0 mm	DV5C1#10QS	DV5C1#10QK
	C1	5 µm	150 x 2.0 mm	DV5C1#15QS	DV5C1#15QK
	C1	5 µm	250 x 2.0 mm	DV5C1#25QS	DV5C1#25QK
	C1	5 µm	150 x 3.0 mm	DV5C1\$15QS	DV5C1\$15QK
	C1	5 µm	250 x 3.0 mm	DV5C1\$25QS	DV5C1\$25QK
	C1	5 µm	50 x 4.6 mm	DV5C1-5QS	DV5C1-5QK
	C1	5 µm	100 x 4.6 mm	DV5C1-10QS	DV5C1-10QK
	C1	5 µm	150 x 4.6 mm	DV5C1-15QS	DV5C1-15QK
	C1	5 µm	250 x 4.6 mm	DV5C1-25QS	DV5C1-25QK

Analysis - HPLC - Interchim technology

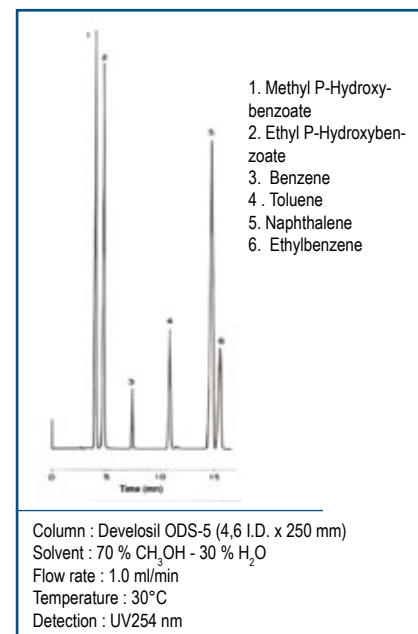
Interchrom columns

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Cyano 100Å - 350 m ² /g	CN	5 µm	50 x 2.0 mm	DV5CN#5QS	DV5CN#5QK
	CN	5 µm	100 x 2.0 mm	DV5CN#10QS	DV5CN#10QK
	CN	5 µm	150 x 2.0 mm	DV5CN#15QS	DV5CN#15QK
	CN	5 µm	250 x 2.0 mm	DV5CN#25QS	DV5CN#25QK
	CN	5 µm	150 x 3.0 mm	DV5CN\$15QS	DV5CN\$15QK
	CN	5 µm	250 x 3.0 mm	DV5CN\$25QS	DV5CN\$25QK
	CN	5 µm	50 x 4.6 mm	DV5CN-5QS	DV5CN-5QK
	CN	5 µm	100 x 4.6 mm	DV5CN-10QS	DV5CN-10QK
	CN	5 µm	150 x 4.6 mm	DV5CN-15QS	DV5CN-15QK
	CN	5 µm	250 x 4.6 mm	DV5CN-25QS	DV5CN-25QK
Amino 100Å - 350 m ² /g %C : 3 non end-capped 2.6 µmol/m ²	NH2	5 µm	50 x 2.0 mm	DV5NH2#5QS	DV5NH2#5QK
	NH2	5 µm	100 x 2.0 mm	DV5NH2#10QS	DV5NH2#10QK
	NH2	5 µm	150 x 2.0 mm	DV5NH2#15QS	DV5NH2#15QK
	NH2	5 µm	250 x 2.0 mm	DV5NH2#25QS	DV5NH2#25QK
	NH2	5 µm	150 x 3.0 mm	DV5NH2\$15QS	DV5NH2\$15QK
	NH2	5 µm	250 x 3.0 mm	DV5NH2\$25QS	DV5NH2\$25QK
	NH2	5 µm	50 x 4.6 mm	DV5NH2-5QS	DV5NH2-5QK
	NH2	5 µm	100 x 4.6 mm	DV5NH2-10QS	DV5NH2-10QK
	NH2	5 µm	150 x 4.6 mm	DV5NH2-15QS	DV5NH2-15QK
	NH2	5 µm	250 x 4.6 mm	DV5NH2-25QS	DV5NH2-25QK
Phenyl 100Å - 350 m ² /g %C : 10 end-capped 3.1 µmol/m ²	PH	5 µm	50 x 2.0 mm	DV5PH#5QS	DV5PH#5QK
	PH	5 µm	100 x 2.0 mm	DV5PH#10QS	DV5PH#10QK
	PH	5 µm	150 x 2.0 mm	DV5PH#15QS	DV5PH#15QK
	PH	5 µm	250 x 2.0 mm	DV5PH#25QS	DV5PH#25QK
	PH	5 µm	150 x 3.0 mm	DV5PH\$15QS	DV5PH\$15QK
	PH	5 µm	250 x 3.0 mm	DV5PH\$25QS	DV5PH\$25QK
	PH	5 µm	50 x 4.6 mm	DV5PH-5QS	DV5PH-5QK
	PH	5 µm	100 x 4.6 mm	DV5PH-10QS	DV5PH-10QK
	PH	5 µm	150 x 4.6 mm	DV5PH-15QS	DV5PH-15QK
	PH	5 µm	250 x 4.6 mm	DV5PH-25QS	DV5PH-25QK
Silica 100Å - 350 m ² /g	SI	5 µm	50 x 2.0 mm	DV5#5QS	DV5#5QK
	SI	5 µm	100 x 2.0 mm	DV5#10QS	DV5#10QK
	SI	5 µm	150 x 2.0 mm	DV5#15QS	DV5#15QK
	SI	5 µm	250 x 2.0 mm	DV5#25QS	DV5#25QK
	SI	5 µm	150 x 3.0 mm	DV5\$15QS	DV5\$15QK
	SI	5 µm	250 x 3.0 mm	DV5\$25QS	DV5\$25QK
	SI	5 µm	50 x 4.6 mm	DV5-5QS	DV5-5QK
	SI	5 µm	100 x 4.6 mm	DV5-10QS	DV5-10QK
	SI	5 µm	150 x 4.6 mm	DV5-15QS	DV5-15QK
	SI	5 µm	250 x 4.6 mm	DV5-25QS	DV5-25QK

Develosil® 100 Å

Silica manufacturer : Nomura Chemical

- Standard silica type A
- Spherical
- Surface area : 350 m²/g
- pH stability: 2 < pH < 7,5



Analysis - HPLC - Interchim technology

Interchrom columns

Inertsil® 150 Å

Silica manufacturer : GL Sciences Inc.

- Ultra pure silica 99.999 %
- Spherical
- Surface area : 320 m²/g
- pH stability : 2 < pH < 9



	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Octadecyl 150Å - 320 m ² /g %C : 18,5 end-capped 3.22 µmol/m ²	OD2	5 µm	50 x 2.0 mm	IN5OD2#5QS	IN5OD2#5QK
	OD2	5 µm	100 x 2.0 mm	IN5OD2#10QS	IN5OD2#10QK
	OD2	5 µm	150 x 2.0 mm	IN5OD2#15QS	IN5OD2#15QK
	OD2	5 µm	250 x 2.0 mm	IN5OD2#25QS	IN5OD2#25QK
	OD2	5 µm	50 x 3.0 mm	IN5OD2\$5QS	IN5OD2\$5QK
	OD2	5 µm	150 x 3.0 mm	IN5OD2\$15QS	IN5OD2\$15QK
	OD2	5 µm	250 x 3.0 mm	IN5OD2\$25QS	IN5OD2\$25QK
	OD2	5 µm	50 x 4.6 mm	IN5OD2-5QS	IN5OD2-5QK
	OD2	5 µm	100 x 4.6 mm	IN5OD2-10QS	IN5OD2-10QK
	OD2	5 µm	150 x 4.6 mm	IN5OD2-15QS	IN5OD2-15QK
	OD2	5 µm	250 x 4.6 mm	IN5OD2-25QS	IN5OD2-25QK
	Octyl 150Å - 320 m ² /g %C : 10,5 end-capped 3.26 µmol/m ²	C8	5 µm	50 x 2.0 mm	IN5C8#5QS
C8		5 µm	100 x 2.0 mm	IN5C8#10QS	IN5C8#10QK
C8		5 µm	150 x 2.0 mm	IN5C8#15QS	IN5C8#15QK
C8		5 µm	250 x 2.0 mm	IN5C8#25QS	IN5C8#25QK
C8		5 µm	50 x 3.0 mm	IN5C8\$5QS	IN5C8\$5QK
C8		5 µm	150 x 3.0 mm	IN5C8\$15QS	IN5C8\$15QK
C8		5 µm	250 x 3.0 mm	IN5C8\$25QS	IN5C8\$25QK
C8		5 µm	50 x 4.6 mm	IN5C8-5QS	IN5C8-5QK
C8		5 µm	100 x 4.6 mm	IN5C8-10QS	IN5C8-10QK
C8		5 µm	150 x 4.6 mm	IN5C8-15QS	IN5C8-15QK
C8		5 µm	250 x 4.6 mm	IN5C8-25QS	IN5C8-25QK
Butyl 150Å - 320 m ² /g %C : 7,5 end-capped 3.76 µmol/m ²		C4	5 µm	50 x 2.0 mm	IN5C4#5QS
	C4	5 µm	100 x 2.0 mm	IN5C4#10QS	IN5C4#10QK
	C4	5 µm	150 x 2.0 mm	IN5C4#15QS	IN5C4#15QK
	C4	5 µm	250 x 2.0 mm	IN5C4#25QS	IN5C4#25QK
	C4	5 µm	50 x 3.0 mm	IN5C4\$5QS	IN5C4\$5QK
	C4	5 µm	150 x 3.0 mm	IN5C4\$15QS	IN5C4\$15QK
	C4	5 µm	250 x 3.0 mm	IN5C4\$25QS	IN5C4\$25QK
	C4	5 µm	50 x 4.6 mm	IN5C4-5QS	IN5C4-5QK
	C4	5 µm	100 x 4.6 mm	IN5C4-10QS	IN5C4-10QK
	C4	5 µm	150 x 4.6 mm	IN5C4-15QS	IN5C4-15QK
	C4	5 µm	250 x 4.6 mm	IN5C4-25QS	IN5C4-25QK

Analysis - HPLC - Interchim technology

Interchrom columns

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Phenyl 150Å - 320 m ² /g %C : 10 end-capped 2.77 µmol/m ²	PH	5 µm	50 x 2.0 mm	IN5PH#5QS	IN5PH#5QK
	PH	5 µm	100 x 2.0 mm	IN5PH#10QS	IN5PH#10QK
	PH	5 µm	150 x 2.0 mm	IN5PH#15QS	IN5PH#15QK
	PH	5 µm	250 x 2.0 mm	IN5PH#25QS	IN5PH#25QK
	PH	5 µm	50 x 3.0 mm	IN5PH\$5QS	IN5PH\$5QK
	PH	5 µm	150 x 3.0 mm	IN5PH\$15QS	IN5PH\$15QK
	PH	5 µm	250 x 3.0 mm	IN5PH\$25QS	IN5PH\$25QK
	PH	5 µm	50 x 4.6 mm	IN5PH-5QS	IN5PH-5QK
	PH	5 µm	100 x 4.6 mm	IN5PH-10QS	IN5PH-10QK
	PH	5 µm	150 x 4.6 mm	IN5PH-15QS	IN5PH-15QK
PH	5 µm	250 x 4.6 mm	IN5PH-25QS	IN5PH-25QK	
Silica 150Å - 320 m ² /g	SI	5 µm	50 x 2.0 mm	IN5#5QS	IN5#5QK
	SI	5 µm	100 x 2.0 mm	IN5#10QS	IN5#10QK
	SI	5 µm	150 x 2.0 mm	IN5#15QS	IN5#15QK
	SI	5 µm	250 x 2.0 mm	IN5#25QS	IN5#25QK
	SI	5 µm	50 x 3.0 mm	IN5\$5QS	IN5\$5QK
	SI	5 µm	150 x 3.0 mm	IN5\$15QS	IN5\$15QK
	SI	5 µm	250 x 3.0 mm	IN5\$25QS	IN5\$25QK
	SI	5 µm	50 x 4.6 mm	IN5-5QS	IN5-5QK
	SI	5 µm	100 x 4.6 mm	IN5-10QS	IN5-10QK
	SI	5 µm	150 x 4.6 mm	IN5-15QS	IN5-15QK
	SI	5 µm	250 x 4.6 mm	IN5-25QS	IN5-25QK

Inertsil® 150 Å

Silica manufacturer : GL Sciences Inc.

- Ultra pure silica 99.999 %
- Spherical
- Surface area : 320 m²/g
- pH stability : 2 < pH < 9



QS

QK

Analysis - HPLC - Interchim technology

Interchrom columns

Inertsil® 100 Å

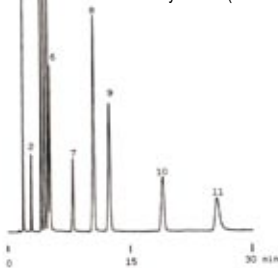
Silica manufacturer : GL Sciences Inc.

- Ultra pure silica 99,999 %
- Spherical
- Surface area : 450 m²/g
- pH stability : 1 < pH < 9

Aromatic Organic acid

Sample :

- Gallic acid
- 3,4-Dihydroxy phenyl acetic acid
- p-Hydroxy benzoic acid
- Caffeic acid
- Vanillic acid
- Gentisic acid
- p-Coumaric acid
- Ferulic acid
- m-Coumaric acid
- o-Coumaric acid
- Salicylic acid (each 5ppm)



Column : Inertsil ODS-80A, 5 µm, 150 x 4.6 mm
 Eluant : CH₃CN/0,1 % H₃PO₄ = 15/85
 Flow rate : 1.0 ml/min
 Detection : UV 254 nm
 Col. Temp. : 40°C

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Octadecyl 100Å - 450 m ² /g %C : 15 end-capped µmol/m ²	ODS-3	3 µm	50 x 2.0 mm	IN3OD3#5QS	IN3OD3#5QK
	ODS-3	3 µm	100 x 2.0 mm	IN3OD3#10QS	IN3OD3#10QK
	ODS-3	3 µm	150 x 2.0 mm	IN3OD3#15QS	IN3OD3#15QK
	ODS-3	3 µm	50 x 3.0 mm	IN3OD3\$5QS	IN3OD3\$5QK
	ODS-3	3 µm	150 x 3.0 mm	IN3OD3\$15QS	IN3OD3\$15QK
	ODS-3	3 µm	50 x 4.6 mm	IN3OD3-5QK	IN3OD3-5QK
	ODS-3	3 µm	100 x 4.6 mm	IN3OD3-10QS	IN3OD3-10QK
	ODS-3	3 µm	150 x 4.6 mm	IN3OD3-15QS	IN3OD3-15QK
	ODS-3	3 µm	250 x 4.6 mm	IN3OD3-25QS	IN3OD3-25QK
	ODS-3	5 µm	50 x 2.0 mm	IN5OD3#5QS	IN5OD3#5QK
	ODS-3	5 µm	100 x 2.0 mm	IN5OD3#10QS	IN5OD3#10QK
	ODS-3	5 µm	150 x 2.0 mm	IN5OD3#15QS	IN5OD3#15QK
	ODS-3	5 µm	250 x 2.0 mm	IN5OD3#25QS	IN5OD3#25QK
	ODS-3	5 µm	50 x 3.0 mm	IN5OD3\$5QS	IN5OD3\$5QK
	ODS-3	5 µm	150 x 3.0 mm	IN5OD3\$15QS	IN5OD3\$15QK
	ODS-3	5 µm	250 x 3.0 mm	IN5OD3\$25QS	IN5OD3\$25QK
Octyl 100Å - 450 m ² /g %C : 9 end-capped	C8-3	3 µm	50 x 2.0 mm	IN3C83#5QS	IN3C83#5QK
	C8-3	3 µm	100 x 2.0 mm	IN3C83#10QS	IN3C83#10QK
	C8-3	3 µm	150 x 2.0 mm	IN3C83#15QS	IN3C83#15QK
	C8-3	3 µm	50 x 4.6 mm	IN3C83-5QS	IN3C83-5QK
	C8-3	3 µm	100 x 4.6 mm	IN3C83-10QS	IN3C83-10QK
	C8-3	3 µm	150 x 4.6 mm	IN3C83-15QS	IN3C83-15QK
	C8-3	5 µm	50 x 2.0 mm	IN5C83#5QS	IN5C83#5QK
	C8-3	5 µm	100 x 2.0 mm	IN5C83#10QS	IN5C83#10QK
	C8-3	5 µm	150 x 2.0 mm	IN5C83#15QS	IN5C83#15QK
	C8-3	5 µm	250 x 2.0 mm	IN5C83#25QS	IN5C83#25QK
	C8-3	5 µm	50 x 3.0 mm	IN5C83\$5QS	IN5C83\$5QK
	C8-3	5 µm	150 x 3.0 mm	IN5C83\$15QS	IN5C83\$15QK
	C8-3	5 µm	250 x 3.0 mm	IN5C83\$25QS	IN5C83\$25QK
	C8-3	5 µm	50 x 4.6 mm	IN5C83-5QS	IN5C83-5QK
	C8-3	5 µm	100 x 4.6 mm	IN5C83-10QS	IN5C83-10QK
	C8-3	5 µm	150 x 4.6 mm	IN5C83-15QS	IN5C83-15QK
C8-3	5 µm	250 x 4.6 mm	IN5C83-25QS	IN5C83-25QK	

Analysis - HPLC - Interchim technology

Interchrom columns

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Cyano 100Å - 450 m ² /g %C : 14 non end-capped	CN-3	3 µm	50 x 2.0 mm	IN3CN3#5QS	IN3CN3#5QK
	CN-3	3 µm	100 x 2.0 mm	IN3CN3#10QS	IN3CN3#10QK
	CN-3	3 µm	150 x 2.0 mm	IN3CN3#15QS	IN3CN3#15QK
	CN-3	3 µm	50 x 4.6 mm	IN3CN3-5QS	IN3CN3-5QK
	CN-3	3 µm	100 x 4.6 mm	IN3CN3-10QS	IN3CN3-10QK
	CN-3	3 µm	150 x 4.6 mm	IN3CN3-15QS	IN3CN3-15QK
	CN-3	5 µm	50 x 2.0 mm	IN5CN3#5QS	IN5CN3#5QK
	CN-3	5 µm	100 x 2.0 mm	IN5CN3#10QS	IN5CN3#10QK
	CN-3	5 µm	150 x 2.0 mm	IN5CN3#15QS	IN5CN3#15QK
	CN-3	5 µm	250 x 2.0 mm	IN5CN3#25QS	IN5CN3#25QK
	CN-3	5 µm	50 x 3.0 mm	IN5CN3\$5QS	IN5CN3\$5QK
	CN-3	5 µm	150 x 3.0 mm	IN5CN3\$15QS	IN5CN3\$15QK
	CN-3	5 µm	250 x 3.0 mm	IN5CN3\$25QS	IN5CN3\$25QK
	CN-3	5 µm	50 x 4.6 mm	IN5CN3-5QS	IN5CN3-5QK
	CN-3	5 µm	150 x 4.6 mm	IN5CN3-15QS	IN5CN3-15QK
	CN-3	5 µm	100 x 4.6 mm	IN5CN3-10QS	IN5CN3-10QK
	CN-3	5 µm	250 x 4.6 mm	IN5CN3-25QS	IN5CN3-25QK
	Phenyl 100Å - 450 m ² /g %C : 9,5 end-capped	PH-3	3 µm	50 x 2.0 mm	IN3PH3#5QS
PH-3		3 µm	100 x 2.0 mm	IN3PH3#10QS	IN3PH3#10QK
PH-3		3 µm	150 x 2.0 mm	IN3PH3#15QS	IN3PH3#15QK
PH-3		3 µm	50 x 4.6 mm	IN3PH3-5QS	IN3PH3-5QK
PH-3		3 µm	100 x 4.6 mm	IN3PH3-10QS	IN3PH3-10QK
PH-3		3 µm	150 x 4.6 mm	IN3PH3-15QS	IN3PH3-15QK
PH-3		5 µm	100 x 2.0 mm	IN5PH3#10QS	IN5PH3#10QK
PH-3		5 µm	100 x 4.6 mm	IN5PH3-10QS	IN5PH3-10QK
PH-3		5 µm	150 x 2.0 mm	IN5PH3#15QS	IN5PH3#15QK
PH-3		5 µm	150 x 3.0 mm	IN5PH3\$15QS	IN5PH3\$15QK
PH-3		5 µm	150 x 4.6 mm	IN5PH3-15QS	IN5PH3-15QK
PH-3		5 µm	250 x 2.0 mm	IN5PH3#25QS	IN5PH3#25QK
PH-3		5 µm	250 x 3.0 mm	IN5PH3\$25QS	IN5PH3\$25QK
PH-3		5 µm	250 x 4.6 mm	IN5PH3-25QS	IN5PH3-25QK
PH-3		5 µm	50 x 2.0 mm	IN5PH3#5QS	IN5PH3#5QK
PH-3		5 µm	50 x 3.0 mm	IN5PH3\$5QS	IN5PH3\$5QK
PH-3		5 µm	50 x 4.6 mm	IN5PH3-5QS	IN5PH3-5QK

Inertsil® 100 Å

Silica manufacturer : GL Sciences Inc.

- Ultra pure silica 99,999 %
- Spherical
- Surface area : 450 m²/g
- pH stability : 1 < pH < 9

Melamine



- Sample :
- Cyanuric acid
 - Ammelide
 - Ammeline
 - Melamine

Column : Inertsil Ph 5 µm, 150 x 4.6 mm
 Eluant : 5mM IPCC-08 + 0.05 % - H₃PO₄ (pH 1,9)
 IPCC-08 : Sodium 1-Octanesulfonate
 Flow rate : 1.0 ml/min
 Detection : UV 195 nm
 Col. Temp. : 40°C

Analysis - HPLC - Interchim technology

Interchrom columns

Kromasil® 100 Å

Silica manufacturer : EKA Chemicals

- Standard silica type A
- Spherical
- Surface area : 340 m²/g
- pH stability : 1,5 < pH < 9,5



	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Octadecyl 100Å - 330 m ² /g %C : 20 end-capped 3.5 µmol/m ²	C18	3 µm	50 x 2.0 mm	KR3C18#5QS	KR3C18#5QK
	C18	3 µm	100 x 2.0 mm	KR3C18#10QS	KR3C18#10QK
	C18	3 µm	150 x 2.0 mm	KR3C18#15QS	KR3C18#15QK
	C18	3 µm	50 x 3.0 mm	KR3C18\$5QS	KR3C18\$5QK
	C18	3 µm	100 x 3.0 mm	KR3C18\$10QS	KR3C18\$10QK
	C18	3 µm	150 x 3.0 mm	KR3C18\$15QS	KR3C18\$15QK
	C18	3 µm	125 x 4.0 mm	KR3C18*12QS	KR3C18*12QK
	C18	3 µm	150 x 4.0 mm	KR3C18*15QS	KR3C18*15QK
	C18	3 µm	50 x 4.6 mm	KR3C18-5QS	KR3C18-5QK
	C18	3 µm	100 x 4.6 mm	KR3C18-10QS	KR3C18-10QK
	C18	3 µm	150 x 4.6 mm	KR3C18-15QS	KR3C18-15QK
	C18	5 µm	50 x 2.0 mm	KR5C18#5QS	KR5C18#5QK
	C18	5 µm	100 x 2.0 mm	KR5C18#10QS	KR5C18#10QK
	C18	5 µm	150 x 2.0 mm	KR5C18#15QS	KR5C18#15QK
	C18	5 µm	250 x 2.0 mm	KR5C18#25QS	KR5C18#25QK
	C18	5 µm	50 x 3.0 mm	KR5C18\$5QS	KR5C18\$5QK
	C18	5 µm	100 x 3.0 mm	KR5C18\$10QS	KR5C18\$10QK
	C18	5 µm	150 x 3.0 mm	KR5C18\$15QS	KR5C18\$15QK
	C18	5 µm	250 x 3.0 mm	KR5C18\$25QS	KR5C18\$25QK
	C18	5 µm	125 x 4.0 mm	KR5C18*12QS	KR5C18*12QK
	C18	5 µm	150 x 4.0 mm	KR5C18*15QS	KR5C18*15QK
	C18	5 µm	250 x 4.0 mm	KR5C18*25QS	KR5C18*25QK
	C18	5 µm	50 x 4.6 mm	KR5C18-5QS	KR5C18-5QK
C18	5 µm	100 x 4.6 mm	KR5C18-10QS	KR5C18-10QK	
C18	5 µm	150 x 4.6 mm	KR5C18-15QS	KR5C18-15QK	
C18	5 µm	250 x 4.6 mm	KR5C18-25QS	KR5C18-25QK	
C18	10 µm	250 x 4.6 mm	KR10C18-25QS	KR10C18-25QK	
Octyl 100Å - 330 m ² /g %C : 12 end-capped 3.7 µmol/m ²	C8	5 µm	50 x 2.0 mm	KR5C8#5QS	KR5C8#5QK
	C8	5 µm	100 x 2.0 mm	KR5C8#10QS	KR5C8#10QK
	C8	5 µm	150 x 2.0 mm	KR5C8#15QS	KR5C8#15QK
	C8	5 µm	250 x 2.0 mm	KR5C8#25QS	KR5C8#25QK
	C8	5 µm	50 x 3.0 mm	KR5C8\$5QS	KR5C8\$5QK
	C8	5 µm	100 x 3.0 mm	KR5C8\$10QS	KR5C8\$10QK
	C8	5 µm	150 x 3.0 mm	KR5C8\$15QS	KR5C8\$15QK
	C8	5 µm	250 x 3.0 mm	KR5C8\$25QS	KR5C8\$25QK
	C8	5 µm	125 x 4.0 mm	KR5C8*12QS	KR5C8*12QK
	C8	5 µm	150 x 4.0 mm	KR5C8*15QS	KR5C8*15QK
	C8	5 µm	250 x 4.0 mm	KR5C8*25QS	KR5C8*25QK
	C8	5 µm	50 x 4.6 mm	KR5C8-5QS	KR5C8-5QK
	C8	5 µm	100 x 4.6 mm	KR5C8-10QS	KR5C8-10QK
	C8	5 µm	150 x 4.6 mm	KR5C8-15QS	KR5C8-15QK
	C8	5 µm	250 x 4.6 mm	KR5C8-25QS	KR5C8-25QK
	C8	10 µm	250 x 4.6 mm	KR10C8-25QS	KR10C8-25QK

Analysis - HPLC - Interchim technology

Interchrom columns

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Butyl 100Å - 330 m ² /g %C : 8 end-capped 3.8 µmol/m ²	C4	5 µm	50 x 2.0 mm	KR5C4#5QS	KR5C4#5QK
	C4	5 µm	100 x 2.0 mm	KR5C4#10QS	KR5C4#10QK
	C4	5 µm	150 x 2.0 mm	KR5C4#15QS	KR5C4#15QK
	C4	5 µm	250 x 2.0 mm	KR5C4#25QS	KR5C4#25QK
	C4	5 µm	50 x 3.0 mm	KR5C4\$5QS	KR5C4\$5QK
	C4	5 µm	100 x 3.0 mm	KR5C4\$10QS	KR5C4\$10QK
	C4	5 µm	150 x 3.0 mm	KR5C4\$15QS	KR5C4\$15QK
	C4	5 µm	250 x 3.0 mm	KR5C4\$25QS	KR5C4\$25QK
	C4	5 µm	125 x 4.0 mm	KR5C4*12QS	KR5C4*12QK
	C4	5 µm	150 x 4.0 mm	KR5C4*15QS	KR5C4*15QK
	C4	5 µm	250 x 4.0 mm	KR5C4*25QS	KR5C4*25QK
	C4	5 µm	50 x 4.6 mm	KR5C4-5QS	KR5C4-5QK
	C4	5 µm	100 x 4.6 mm	KR5C4-10QS	KR5C4-10QK
	C4	5 µm	150 x 4.6 mm	KR5C4-15QS	KR5C4-15QK
C4	5 µm	250 x 4.6 mm	KR5C4-25QS	KR5C4-25QK	
Methyl 100Å - 330 m ² /g %C : 5 end-capped 4.2 µmol/m ²	C1	5 µm	50 x 2.0 mm	KR5C1#5QS	KR5C1#5QK
	C1	5 µm	100 x 2.0 mm	KR5C1#10QS	KR5C1#10QK
	C1	5 µm	150 x 2.0 mm	KR5C1#15QS	KR5C1#15QK
	C1	5 µm	250 x 2.0 mm	KR5C1#25QS	KR5C1#25QK
	C1	5 µm	50 x 3.0 mm	KR5C1\$5QS	KR5C1\$5QK
	C1	5 µm	100 x 3.0 mm	KR5C1\$10QS	KR5C1\$10QK
	C1	5 µm	150 x 3.0 mm	KR5C1\$15QS	KR5C1\$15QK
	C1	5 µm	250 x 3.0 mm	KR5C1\$25QS	KR5C1\$25QK
	C1	5 µm	125 x 4.0 mm	KR5C1*12QS	KR5C1*12QK
	C1	5 µm	150 x 4.0 mm	KR5C1*15QS	KR5C1*15QK
	C1	5 µm	250 x 4.0 mm	KR5C1*25QS	KR5C1*25QK
	C1	5 µm	50 x 4.6 mm	KR5C1-5QS	KR5C1-5QK
	C1	5 µm	100 x 4.6 mm	KR5C1-10QS	KR5C1-10QK
	C1	5 µm	150 x 4.6 mm	KR5C1-15QS	KR5C1-15QK
C1	5 µm	250 x 4.6 mm	KR5C1-25QS	KR5C1-25QK	

Kromasil® 100 Å

Silica manufacturer : EKA Chemicals

- Standard silica type A
- Spherical
- Surface area : 340 m²/g
- pH stability : 1.5 < pH < 9.5



QS

QK

Analysis - HPLC - Interchim technology

Interchrom columns

Kromasil® 60 & 100 Å

Silica manufacturer : EKA Chemicals

- Standard silica type A
- Spherical
- Surface area : 340 m²/g
- pH stability : 1.5 < pH < 9.5



	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Cyano 60Å - 530 m ² /g %C : 12 %N : 2.3 end-capped 3.8 μmol/m ²	CN	5 μm	50 x 2.0 mm	KR5CN#5QS	KR5CN#5QK
	CN	5 μm	100 x 2.0 mm	KR5CN#10QS	KR5CN#10QK
	CN	5 μm	150 x 2.0 mm	KR5CN#15QS	KR5CN#15QK
	CN	5 μm	250 x 2.0 mm	KR5CN#25QS	KR5CN#25QK
	CN	5 μm	50 x 3.0 mm	KR5CN\$5QS	KR5CN\$5QK
	CN	5 μm	100 x 3.0 mm	KR5CN\$10QS	KR5CN\$10QK
	CN	5 μm	150 x 3.0 mm	KR5CN\$15QS	KR5CN\$15QK
	CN	5 μm	250 x 3.0 mm	KR5CN\$25QS	KR5CN\$25QK
	CN	5 μm	125 x 4.0 mm	KR5CN*12QS	KR5CN*12QK
	CN	5 μm	150 x 4.0 mm	KR5CN*15QS	KR5CN*15QK
	CN	5 μm	250 x 4.0 mm	KR5CN*25QS	KR5CN*25QK
	CN	5 μm	50 x 4.6 mm	KR5CN-5QS	KR5CN-5QK
	CN	5 μm	100 x 4.6 mm	KR5CN-10QS	KR5CN-10QK
	CN	5 μm	150 x 4.6 mm	KR5CN-15QS	KR5CN-15QK
	CN	5 μm	250 x 4.6 mm	KR5CN-25QS	KR5CN-25QK
	Amino 100Å - 330 m ² /g %N : 1.7 end-capped 4.5 μmol/m ²	NH2	5 μm	50 x 2.0 mm	KR5NH2#5QS
NH2		5 μm	100 x 2.0 mm	KR5NH2#10QS	KR5NH2#10QK
NH2		5 μm	150 x 2.0 mm	KR5NH2#15QS	KR5NH2#15QK
NH2		5 μm	250 x 2.0 mm	KR5NH2#25QS	KR5NH2#25QK
NH2		5 μm	50 x 3.0 mm	KR5NH2\$5QS	KR5NH2\$5QK
NH2		5 μm	100 x 3.0 mm	KR5NH2\$10QS	KR5NH2\$10QK
NH2		5 μm	150 x 3.0 mm	KR5NH2\$15QS	KR5NH2\$15QK
NH2		5 μm	250 x 3.0 mm	KR5NH2\$25QS	KR5NH2\$25QK
NH2		5 μm	125 x 4.0 mm	KR5NH2*12QS	KR5NH2*12QK
NH2		5 μm	150 x 4.0 mm	KR5NH2*15QS	KR5NH2*15QK
NH2		5 μm	250 x 4.0 mm	KR5NH2*25QS	KR5NH2*25QK
NH2		5 μm	50 x 4.6 mm	KR5NH2-5QS	KR5NH2-5QK
NH2		5 μm	100 x 4.6 mm	KR5NH2-10QS	KR5NH2-10QK
NH2		5 μm	150 x 4.6 mm	KR5NH2-15QS	KR5NH2-15QK
NH2	5 μm	250 x 4.6 mm	KR5NH2-25QS	KR5NH2-25QK	
Silica 100Å - 330 m ² /g	SI	5 μm	50 x 2.0 mm	KR5#5QS	KR5#5QK
	SI	5 μm	100 x 2.0 mm	KR5#10QS	KR5#10QK
	SI	5 μm	150 x 2.0 mm	KR5#15QS	KR5#15QK
	SI	5 μm	250 x 2.0 mm	KR5#25QS	KR5#25QK
	SI	5 μm	50 x 3.0 mm	KR5\$5QS	KR5\$5QK
	SI	5 μm	100 x 3.0 mm	KR5\$10QS	KR5\$10QK
	SI	5 μm	150 x 3.0 mm	KR5\$15QS	KR5\$15QK
	SI	5 μm	250 x 3.0 mm	KR5\$25QS	KR5\$25QK
	SI	5 μm	125 x 4.0 mm	KR5*12QS	KR5*12QK
	SI	5 μm	150 x 4.0 mm	KR5*15QS	KR5*15QK
	SI	5 μm	250 x 4.0 mm	KR5*25QS	KR5*25QK
	SI	5 μm	50 x 4.6 mm	KR5-5QS	KR5-5QK
	SI	5 μm	100 x 4.6 mm	KR5-10QS	KR5-10QK
	SI	5 μm	150 x 4.6 mm	KR5-15QS	KR5-15QK
	SI	5 μm	250 x 4.6 mm	KR5-25QS	KR5-25QK
	SI	10 μm	250 x 4.6 mm	KR10-25QS	KR10-25QK

Analysis - HPLC - Interchim technology

Interchrom columns

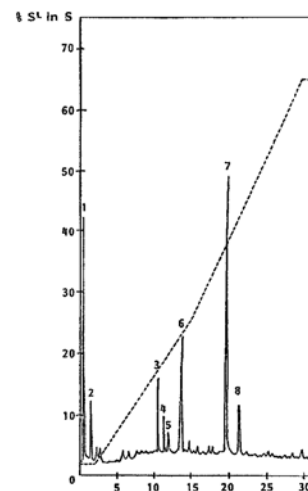
	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Octadecyl 100Å - 300 m ² /g %C : 16.2 end-capped 3 µmol/m ²	C18	5 µm	125 x 4.0 mm	L5C18*12QS	L5C18*12QK
	C18	5 µm	150 x 4.0 mm	L5C18*15QS	L5C18*15QK
	C18	5 µm	250 x 4.0 mm	L5C18*25QS	L5C18*25QK
	C18	10 µm	250 x 4.0 mm	L10C18*25QS	L10C18*25QK
	C18	5 µm	150 x 4.6 mm	L5C18-15QS	L5C18-15QK
	C18	5 µm	250 x 4.6 mm	L5C18-25QS	L5C18-25QK
C18	10 µm	250 x 4.6 mm	L10C18-25QS	L10C18-25QK	
Octyl 100Å - 300 m ² /g %C : 9.5 end-capped 3.4 µmol/m ²	C8	5 µm	125 x 4.0 mm	L5C8*12QS	L5C8*12QK
	C8	5 µm	150 x 4.0 mm	L5C8*15QS	L5C8*15QK
	C8	5 µm	250 x 4.0 mm	L5C8*25QS	L5C8*25QK
	C8	5 µm	150 x 4.6 mm	L5C8-15QS	L5C8-15QK
	C8	5 µm	250 x 4.6 mm	L5C8-25QS	L5C8-25QK
Octyl 100Å - 300 m ² /g %C : 11.5 end-capped 2.5 µmol/m ²	RPB	5 µm	125 x 4.0 mm	L5RPB*12QS	L5RPB*12QK
	RPB	5 µm	150 x 4.0 mm	L5RPB*15QS	L5RPB*15QK
	RPB	5 µm	250 x 4.0 mm	L5RPB*25QS	L5RPB*25QK
	RPB	5 µm	150 x 4.6 mm	L5RPB-15QS	L5RPB-15QK
	RPB	5 µm	250 x 4.6 mm	L5RPB-25QS	L5RPB-25QK
Cyano 100Å - 300 m ² /g %C : 6.1 end-capped 3.82 µmol/m ²	CN	5 µm	125 x 4.0 mm	L5CN*12QS	L5CN*12QK
	CN	5 µm	150 x 4.0 mm	L5CN*15QS	L5CN*15QK
	CN	5 µm	250 x 4.0 mm	L5CN*25QS	L5CN*25QK
	CN	5 µm	150 x 4.6 mm	L5CN-15QS	L5CN-15QK
	CN	5 µm	250 x 4.6 mm	L5CN-25QS	L5CN-25QK
Diol 100Å - 300 m ² /g %C : 7.1 3.91 µmol/m ²	OH	5 µm	125 x 4.0 mm	L5OH*12QS	L5OH*12QK
	OH	5 µm	150 x 4.0 mm	L5OH*15QS	L5OH*15QK
	OH	5 µm	250 x 4.0 mm	L5OH*25QS	L5OH*25QK
	OH	5 µm	150 x 4.6 mm	L5OH-15QS	L5OH-15QK
	OH	5 µm	250 x 4.6 mm	L5OH-25QS	L5OH-25QK
Silica 60Å - 500 m ² /g	SI	5 µm	125 x 4.0 mm	L5*12QS	L5*12QK
	SI	5 µm	150 x 4.0 mm	L5*15QS	L5*15QK
	SI	5 µm	250 x 4.0 mm	L5*25QS	L5*25QK
	SI	10 µm	250 x 4.0 mm	L10*25QS	L10*25QK
	SI	5 µm	150 x 4.6 mm	L5-15QS	L5-15QK

Lichrosorb® 60 & 100 Å

Silica manufacturer : MERCK

- Standard silica type A
- Surface area : 500 & 300 m²/g
- pH stability : 2 < pH < 7

Analysis of procyanidins of cone extracts I



Lichrospher RP18, 5µm (60 x 4.6 mm)
Mobile phase : HCO₂H₂O (1.19) et (S')CH₂CN
Flow rate : 2.5 ml/min
Temp. : 21°C
Pressure : 160 bars
UV detector : 280 nm

Analysis - HPLC - Interchim technology

Interchrom columns

Lichrospher® 60 & 100 Å

Silica manufacturer : MERCK

- Standard silica type A
- Spherical
- Surface area : 360 & 350 m²/g
- pH stability : 2 < pH < 7



	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Octadecyl 100Å - 350 m ² /g %C : 21.6 end-capped 4.09 µmol/m ²	OD2	5 µm	125 x 4.0 mm	K50D2*12QS	K50D2*12QK
	OD2	5 µm	150 x 4.0 mm	K50D2*15QS	K50D2*15QK
	OD2	5 µm	250 x 4.0 mm	K50D2*25QS	K50D2*25QK
	OD2	10 µm	250 x 4.0 mm	K100D2*25QS	K100D2*25QK
	OD2	5 µm	100 x 4.6 mm	K50D2-10QS	K50D2-10QK
	OD2	5 µm	150 x 4.6 mm	K50D2-15QS	K50D2-15QK
	OD2	5 µm	250 x 4.6 mm	K50D2-25QS	K50D2-25QK
	OD2	10 µm	250 x 4.6 mm	K100D2-25QS	K100D2-25QK
Octadecyl 100Å - 350 m ² /g %C : 21 non end-capped 3.61 µmol/m ²	OD1	5 µm	125 x 4.0 mm	K50D1*12QS	K50D1*12QK
	OD1	5 µm	150 x 4.0 mm	K50D1*15QS	K50D1*15QK
	OD1	5 µm	250 x 4.0 mm	K50D1*25QS	K50D1*25QK
	OD1	10 µm	250 x 4.0 mm	K100D1*25QS	K100D1*25QK
	OD1	5 µm	100 x 4.6 mm	K50D1-10QS	K50D1-10QK
	OD1	5 µm	150 x 4.6 mm	K50D1-15QS	K50D1-15QK
	OD1	5 µm	250 x 4.6 mm	K50D1-25QS	K100D1-15QK
	OD1	10 µm	250 x 4.6 mm	K100D1-25QS	K50D1-25QK
Octyl 100Å - 350 m ² /g %C : 12.5 non end-capped 4.04 µmol/m ²	C8	5 µm	125 x 4.0 mm	K5C8*12QS	K5C8*12QK
	C8	5 µm	150 x 4.0 mm	K5C8*15QS	K5C8*15QK
	C8	5 µm	250 x 4.0 mm	K5C8*25QS	K5C8*25QK
	C8	5 µm	100 x 4.6 mm	K5C8-10QS	K5C8-10QK
	C8	5 µm	150 x 4.6 mm	K5C8-15QS	K5C8-15QK
	C8	5 µm	250 x 4.6 mm	K5C8-25QS	K5C8-25QK
Octyl 100Å - 350 m ² /g %C : 13 end-capped 4.44 µmol/m ²	C8E	5 µm	125 x 4.0 mm	K5C8E*12QS	K5C8E*12QK
	C8E	5 µm	150 x 4.0 mm	K5C8E*15QS	K5C8E*15QK
	C8E	5 µm	250 x 4.0 mm	K5C8E*25QS	K5C8E*25QK
	C8E	5 µm	100 x 4.6 mm	K5C8E-10QS	K5C8E-10QK
	C8E	5 µm	150 x 4.6 mm	K5C8E-15QS	K5C8E-15QK
	C8E	5 µm	250 x 4.6 mm	K5C8E-25QS	K5C8E-25QK
Octyl 60Å - 360 m ² /g %C : 11.5 end-capped 3.55 µmol/m ²	RPB	5 µm	125 x 4.0 mm	K5RPB*12QS	K5RPB*12QK
	RPB	5 µm	150 x 4.0 mm	K5RPB*15QS	K5RPB*15QK
	RPB	5 µm	250 x 4.0 mm	K5RPB*25QS	K5RPB*25QK
	RPB	5 µm	100 x 4.6 mm	K5RPB-10QS	K5RPB-10QK
	RPB	5 µm	150 x 4.6 mm	K5RPB-15QS	K5RPB-15QK
	RPB	5 µm	250 x 4.6 mm	K5RPB-25QS	K5RPB-25QK

Analysis - HPLC - Interchim technology

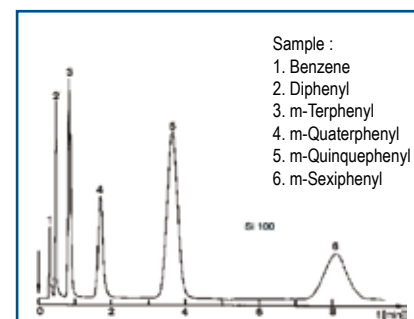
Interchrom columns

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Cyano 100Å - 350 m ² /g %C : 6,6 3.52 µmol/m ²	CN	5 µm	125 x 4.0 mm	K5CN*12QS	K5CN*12QK
	CN	5 µm	150 x 4.0 mm	K5CN*15QS	K5CN*15QK
	CN	5 µm	250 x 4.0 mm	K5CN*25QS	K5CN*25QK
	CN	5 µm	100 x 4.6 mm	K5CN-10QS	K5CN-10QK
	CN	5 µm	150 x 4.6 mm	K5CN-15QS	K5CN-15QK
	CN	5 µm	250 x 4.6 mm	K5CN-25QS	K5CN-25QK
Amino 100Å - 350 m ² /g %C : 4,6 4.1 µmol/m ²	NH2	5 µm	125 x 4.0 mm	K5NH2*12QS	K5NH2*12QK
	NH2	5 µm	150 x 4.0 mm	K5NH2*15QS	K5NH2*15QK
	NH2	5 µm	250 x 4.0 mm	K5NH2*25QS	K5NH2*25QK
	NH2	5 µm	100 x 4.6 mm	K5NH2-10QS	K5NH2-10QK
	NH2	5 µm	150 x 4.6 mm	K5NH2-15QS	K5NH2-15QK
	NH2	5 µm	250 x 4.6 mm	K5NH2-25QS	K5NH2-25QK
Diol 100Å - 350 m ² /g %C : 8 3.87 µmol/m ²	OH	5 µm	125 x 4.0 mm	K5OH*12QS	K5OH*12QK
	OH	5 µm	150 x 4.0 mm	K5OH*15QS	K5OH*15QK
	OH	5 µm	250 x 4.0 mm	K5OH*25QS	K5OH*25QK
	OH	5 µm	100 x 4.6 mm	K5OH-10QS	K5OH-10QK
	OH	5 µm	150 x 4.6 mm	K5OH-15QS	K5OH-15QK
	OH	5 µm	250 x 4.6 mm	K5OH-25QS	K5OH-25QK
Silica 60Å - 700 m ² /g	SI	5 µm	125 x 4.0 mm	K5*12QS	K5*12QK
	SI	5 µm	150 x 4.0 mm	K5*15QS	K5*15QK
	SI	5 µm	250 x 4.0 mm	K5*25QS	K5*25QK
	SI	10 µm	250 x 4.0 mm	K10*25QS	K10*25QK
	SI	5 µm	100 x 4.6 mm	K5-10QS	K5-10QK
	SI	5 µm	150 x 4.6 mm	K5-15QS	K5-15QK
	SI	5 µm	250 x 4.6 mm	K5-25QS	K5-25QK
	SI	5 µm	250 x 4.6 mm	K10-25QS	K10-25QK
	SI	10 µm	250 x 4.6 mm	K10-25QS	K10-25QK

Lichrospher® 60 & 100 Å

Silica manufacturer : MERCK

- Standard silica type A
- Spherical
- Surface area : 360 & 350 m²/g
- pH stability : 2 < pH < 7



Column : Lichrospher Si 100 10 µm
 Pressure : 124 bars (1800 psi)
 Flow rate : 300 ml/hour
 Eluent : n-heptane
 Equipment : non commercial
 UV detector : 254nm

Analysis - HPLC - Interchim technology

Interchrom columns

Nucleosil®

Silica manufacturer : Macherey-Nagel

- Standard silica type A
- Spherical
- Surface area : 350 m²/g
- pH stability : 2 < pH < 7



	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK	
Octadecyl 100Å - 350 m ² /g %C : 14 HMDS end-capping 2.08 µmol/m ²	C18	3 µm	150 x 2.0 mm	N3C18#15QS	N3C18#15QK	
	C18	3 µm	150 x 3.0 mm	N3C18\$15QS	N3C18\$15QK	
	C18	3 µm	125 x 4.0 mm	N3C18*12QS	N3C18*12QK	
	C18	3 µm	150 x 4.0 mm	N3C18*15QS	N3C18*15QK	
	C18	3 µm	100 x 4.6 mm	N3C18-10QS	N3C18-10QK	
	C18	3 µm	150 x 4.6 mm	N3C18-15QS	N3C18-15QK	
	C18	5 µm	150 x 2.0 mm	N5C18#15QS	N5C18#15QK	
	C18	5 µm	250 x 2.0 mm	N5C18#25QS	N5C18#25QK	
	C18	5 µm	150 x 3.0 mm	N5C18\$15QS	N5C18\$15QK	
	C18	5 µm	250 x 3.0 mm	N5C18\$25QS	N5C18\$25QK	
	C18	5 µm	125 x 4.0 mm	N5C18*12QS	N5C18*12QK	
	C18	5 µm	150 x 4.0 mm	N5C18*15QS	N5C18*15QK	
	C18	5 µm	250 x 4.0 mm	N5C18*25QS	N5C18*25QK	
	C18	10 µm	250 x 4.0 mm	N10C18*25QS	N10C18*25QK	
	C18	5 µm	100 x 4.6 mm	N5C18-10QS	N5C18-10QK	
	C18	5 µm	150 x 4.6 mm	N5C18-15QS	N5C18-15QK	
	C18	5 µm	250 x 4.6 mm	N5C18-25QS	N5C18-25QK	
	C18	10 µm	250 x 4.6 mm	N10C18-25QS	N10C18-25QK	
	Octyl 100Å - 350 m ² /g %C : 9 non end-capped 2.49 µmol/m ²	C8	5 µm	150 x 2.0 mm	N5C8#15QS	N5C8#15QK
C8		5 µm	250 x 2.0 mm	N5C8#25QS	N5C8#25QK	
C8		5 µm	150 x 3.0 mm	N5C8\$15QS	N5C8\$15QK	
C8		5 µm	250 x 3.0 mm	N5C8\$25QS	N5C8\$25QK	
C8		5 µm	125 x 4.0 mm	N5C8*12QS	N5C8*12QK	
C8		5 µm	150 x 4.0 mm	N5C8*15QS	N5C8*15QK	
C8		5 µm	250 x 4.0 mm	N5C8*25QS	N5C8*25QK	
C8		5 µm	100 x 4.6 mm	N5C8-10QS	N5C8-10QK	
C8		5 µm	150 x 4.6 mm	N5C8-15QS	N5C8-15QK	
C8		5 µm	250 x 4.6 mm	N5C8-25QS	N5C8-25QK	
Octyl 100Å - 350 m ² /g %C : 9 HMDS end-capping		C8E	5 µm	150 x 2.0 mm	N5C8E#15QS	N5C8E#15QK
		C8E	5 µm	250 x 2.0 mm	N5C8E#25QS	N5C8E#25QK
	C8E	5 µm	150 x 3.0 mm	N5C8E\$15QS	N5C8E\$15QK	
	C8E	5 µm	250 x 3.0 mm	N5C8E\$25QS	N5C8E\$25QK	
	C8E	5 µm	125 x 4.0 mm	N5C8E*12QS	N5C8E*12QK	
	C8E	5 µm	150 x 4.0 mm	N5C8E*15QS	N5C8E*15QK	
	C8E	5 µm	250 x 4.0 mm	N5C8E*25QS	N5C8E*25QK	
	C8E	5 µm	100 x 4.6 mm	N5C8E-10QS	N5C8E-10QK	
	C8E	5 µm	150 x 4.6 mm	N5C8E-15QS	N5C8E-15QK	
	C8E	5 µm	250 x 4.6 mm	N5C8E-25QS	N5C8E-25QK	

QS

QK

Analysis - HPLC - Interchim technology

Interchrom columns

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Cyano 100Å - 350 m ² /g %C : 4 non end-capped 1.73 μmol/m ²	CN	5 μm	150 x 2.0 mm	N5CN#15QS	N5CN#15QK
	CN	5 μm	250 x 2.0 mm	N5CN#25QS	N5CN#25QK
	CN	5 μm	150 x 3.0 mm	N5CN\$15QS	N5CN\$15QK
	CN	5 μm	250 x 3.0 mm	N5CN\$25QS	N5CN\$25QK
	CN	5 μm	125 x 4.0 mm	N5CN*12QS	N5CN*12QK
	CN	5 μm	150 x 4.0 mm	N5CN*15QS	N5CN*15QK
	CN	5 μm	250 x 4.0 mm	N5CN*25QS	N5CN*25QK
	CN	5 μm	100 x 4.6 mm	N5CN-10QS	N5CN-10QK
	CN	5 μm	150 x 4.6 mm	N5CN-15QS	N5CN-15QK
	CN	5 μm	250 x 4.6 mm	N5CN-25QS	N5CN-25QK
Phenyl 100Å - 350 m ² /g %C : 8 non end-capped 1.96 μmol/m ²	PH	5 μm	150 x 2.0 mm	N5PH#15QS	N5PH#15QK
	PH	5 μm	250 x 2.0 mm	N5PH#25QS	N5PH#25QK
	PH	5 μm	150 x 3.0 mm	N5PH\$15QS	N5PH\$15QK
	PH	5 μm	250 x 3.0 mm	N5PH\$25QS	N5PH\$25QK
	PH	5 μm	125 x 4.0 mm	N5PH*12QS	N5PH*12QK
	PH	5 μm	150 x 4.0 mm	N5PH*15QS	N5PH*15QK
	PH	5 μm	250 x 4.0 mm	N5PH*25QS	N5PH*25QK
	PH	7 μm	250 x 4.0 mm	N7PH*25QS	N7PH*25QK
	PH	5 μm	100 x 4.6 mm	N5PH-10QS	N5PH-10QK
	PH	5 μm	150 x 4.6 mm	N5PH-15QS	N5PH-15QK
	PH	5 μm	250 x 4.6 mm	N5PH-25QS	N5PH-25QK
	PH	7 μm	250 x 4.6 mm	N7PH-25QS	N7PH-25QK
	Diol 100Å - 350 m ² /g	OH	7 μm	250 x 4.0 mm	N7OH*25QS
OH		7 μm	250 x 4.6 mm	N7OH-25QS	N7OH-25QK
Amino 100Å - 350 m ² /g	NH2	5 μm	150 x 2.0 mm	N5NH2#15QS	N5NH2#15QK
	NH2	5 μm	250 x 2.0 mm	N5NH2#25QS	N5NH2#25QK
	NH2	5 μm	150 x 3.0 mm	N5NH2\$15QS	N5NH2\$15QK
	NH2	5 μm	250 x 3.0 mm	N5NH2\$25QS	N5NH2\$25QK
	NH2	5 μm	125 x 4.0 mm	N5NH2*12QS	N5NH2*12QK
	NH2	5 μm	150 x 4.0 mm	N5NH2*15QS	N5NH2*15QK
	NH2	5 μm	250 x 4.0 mm	N5NH2*25QS	N5NH2*25QK
	NH2	5 μm	100 x 4.6 mm	N5NH2-10QS	N5NH2-10QK
	NH2	5 μm	150 x 4.6 mm	N5NH2-15QS	N5NH2-15QK
	NH2	5 μm	250 x 4.6 mm	N5NH2-25QS	N5NH2-25QK

Nucleosil®

Silica manufacturer : Macherey-Nagel

- Standard silica type A
- Spherical
- Surface area : 350 m²/g
- pH stability : 2 < pH < 7



Analysis - HPLC - Interchim technology

Interchrom columns

Nucleosil®

Silica manufacturer : Macherey-Nagel

- Standard silica type A
- Spherical
- Surface area : 350 m²/g
- pH stability : 2 < pH < 7



QS

QK

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Nitro 100Å - 350 m ² /g	NO2	5 µm	150 x 2.0 mm	N5NO2#15QS	N5NO2#15QK
	NO2	5 µm	250 x 2.0 mm	N5NO2#25QS	N5NO2#25QK
	NO2	5 µm	150 x 3.0 mm	N5NO2\$15QS	N5NO2\$15QK
	NO2	5 µm	250 x 3.0 mm	N5NO2\$25QS	N5NO2\$25QK
	NO2	5 µm	125 x 4.0 mm	N5NO2*12QS	N5NO2*12QK
	NO2	5 µm	150 x 4.0 mm	N5NO2*15QS	N5NO2*15QK
	NO2	5 µm	250 x 4.0 mm	N5NO2*25QS	N5NO2*25QK
	NO2	5 µm	100 x 4.6 mm	N5NO2-10QS	N5NO2-10QK
	NO2	5 µm	150 x 4.6 mm	N5NO2-15QS	N5NO2-15QK
	NO2	5 µm	250 x 4.6 mm	N5NO2-25QS	N5NO2-25QK
Dimethylamino 100Å - 350 m ² /g	DMA	5 µm	250 x 2.0 mm	N5DMA#25QS	N5DMA#25QK
	DMA	5 µm	250 x 3.0 mm	N5DMA\$25QS	N5DMA\$25QK
	DMA	5 µm	150 x 4.0 mm	N5DMA*15QS	N5DMA*15QK
	DMA	5 µm	250 x 4.0 mm	N5DMA*25QS	N5DMA*25QK
	DMA	5 µm	150 x 4.6 mm	N5DMA-15QS	N5DMA-15QK
	DMA	5 µm	250 x 4.6 mm	N5DMA-25QS	N5DMA-25QK
Strong anion exchanger 100Å - 350 m ² /g 1 meqv /g	SB	5 µm	250 x 3.0 mm	N5SB\$25QS	N5SB\$25QK
	SB	5 µm	250 x 4.0 mm	N5SB*25QS	N5SB*25QK
	SB	5 µm	250 x 4.6 mm	N5SB-25QS	N5SB-25QK
Strong cation exchanger 100Å - 350 m ² /g 1 meqv /g	SA	5 µm	250 x 3.0 mm	N5SA\$25QS	N5SA\$25QK
	SA	5 µm	250 x 4.0 mm	N5SA*25QS	N5SA*25QK
	SA	5 µm	250 x 4.6 mm	N5SA-25QS	N5SA-25QK
Silica 100Å - 350 m ² /g	SI	5 µm	150 x 2.0 mm	N5#15QS	N5#15QK
	SI	5 µm	250 x 2.0 mm	N5#25QS	N5#25QK
	SI	5 µm	150 x 3.0 mm	N5\$15QS	N5\$15QK
	SI	5 µm	250 x 3.0 mm	N5\$25QS	N5\$25QK
	SI	5 µm	125 x 4.0 mm	N5*12QS	N5*12QK
	SI	5 µm	150 x 4.0 mm	N5*15QS	N5*15QK
	SI	5 µm	250 x 4.0 mm	N5*25QS	N5*25QK
	SI	10 µm	250 x 4.0 mm	N10*25QS	N10*25QK
	SI	5 µm	100 x 4.6 mm	N5-10QS	N5-10QK
	SI	5 µm	150 x 4.6 mm	N5-15QS	N5-15QK
	SI	5 µm	250 x 4.6 mm	N5-25QS	N5-25QK
	SI	10 µm	250 x 4.6 mm	N10-25QS	N10-25QK

Analysis - HPLC - Interchim technology

Interchrom columns

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Octadecyl (polymérique) 85Å - 350 m ² /g %C : 10,5 end-capped 1.45 µmol/m ²	OD3	5 µm	150 x 4.0 mm	P5OD3*15QS	P5OD3*15QK
	OD3	5 µm	250 x 4.0 mm	P5OD3*25QS	P5OD3*25QK
	OD3	5 µm	150 x 4.6 mm	P5OD3-15QS	P5OD3-15QK
	OD3	5 µm	250 x 4.6 mm	P5OD3-25QS	P5OD3-25QK
	OD3	10 µm	150 x 4.0 mm	P10OD3*15QS	P10OD3*15QK
	OD3	10 µm	250 x 4.0 mm	P10OD3*25QS	P10OD3*25QK
	OD3	10 µm	150 x 4.6 mm	P10OD3-15QS	P10OD3-15QK
	OD3	10 µm	250 x 4.6 mm	P10OD3-25QS	P10OD3-25QK
Octadecyl (polymérique) 85Å - 350 m ² /g %C : 16 non end-capped 2.43 µmol/m ²	OD2	5 µm	150 x 4.0 mm	P5OD2*15QS	P5OD2*15QK
	OD2	5 µm	250 x 4.0 mm	P5OD2*25QS	P5OD2*25QK
	OD2	5 µm	150 x 4.6 mm	P5OD2-15QS	P5OD2-15QK
	OD2	5 µm	250 x 4.6 mm	P5OD2-25QS	P5OD2-25QK
	OD2	10 µm	150 x 4.0 mm	P10OD2*15QS	P10OD2*15QK
	OD2	10 µm	250 x 4.0 mm	P10OD2*25QS	P10OD2*25QK
	OD2	10 µm	150 x 4.6 mm	P10OD2-15QS	P10OD2-15QK
	OD2	10 µm	250 x 4.6 mm	P10OD2-25QS	P10OD2-25QK
Octadecyl 85Å - 350 m ² /g %C : 5 end-capped	OD1	10 µm	150 x 4.0 mm	P10OD1*15QS	P10OD1*15QK
	OD1	10 µm	250 x 4.0 mm	P10OD1*25QS	P10OD1*25QK
	OD1	10 µm	150 x 4.6 mm	P10OD1-15QS	P10OD1-15QK
	OD1	10 µm	250 x 4.6 mm	P10OD1-25QS	P10OD1-25QK
Octyl 85Å - 350 m ² /g %C : 8,5 end-capped 2.33 µmol/m ²	C8	5 µm	150 x 4.0 mm	P5C8*15QS	P5C8*15QK
	C8	5 µm	250 x 4.0 mm	P5C8*25QS	P5C8*25QK
	C8	5 µm	150 x 4.6 mm	P5C8-15QS	P5C8-15QK
	C8	5 µm	250 x 4.6 mm	P5C8-25QS	P5C8-25QK
	C8	10 µm	150 x 4.0 mm	P10C8*15QS	P10C8*15QK
	C8	10 µm	250 x 4.0 mm	P10C8*25QS	P10C8*25QK
	C8	10 µm	150 x 4.6 mm	P10C8-15QS	P10C8-15QK
	C8	10 µm	250 x 4.6 mm	P10C8-25QS	P10C8-25QK
Amino - cyano (2:1) 85Å - 350 m ² /g	PAC	5 µm	150 x 4.0 mm	P5PAC*15QS	P5PAC*15QK
	PAC	5 µm	250 x 4.0 mm	P5PAC*25QS	P5PAC*25QK
	PAC	5 µm	150 x 4.6 mm	P5PAC-15QS	P5PAC-15QK
	PAC	5 µm	250 x 4.6 mm	P5PAC-25QS	P5PAC-25QK
	PAC	10 µm	150 x 4.0 mm	P10PAC*15QS	P10PAC*15QK
	PAC	10 µm	250 x 4.0 mm	P10PAC*25QS	P10PAC*25QK
	PAC	10 µm	150 x 4.6 mm	P10PAC-15QS	P10PAC-15QK
	PAC	10 µm	250 x 4.6 mm	P10PAC-25QS	P10PAC-25QK

Partisil® 85 Å

Silica manufacturer : Whatman

- Standard silica type A
- Irregular
- pH stability : 2 < pH < 7
- Surface area : 350 m²/g



QS

QK

Analysis - HPLC - Interchim technology

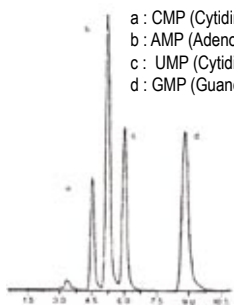
Interchrom columns

Partisil® 85 Å

Silica manufacturer : Whatman

- Standard silica type A
- Irregular
- pH stability : 2 < pH < 7
- Surface area : 350 m²/g

Nucleotides



- a : CMP (Cytidine-5' monophosphate)
 b : AMP (Adenosine-5' monophosphate)
 c : UMP (Cytidine-5' monophosphate)
 d : GMP (Guanosine-5' monophosphate)

Partisil-10 SAX - 4.6 mm x 25 cm
 Mobile phase : 0.05MKH₂PO₄ pH 3.35
 Flow rate : 1.0 ml/min
 Pressure : 700 psig
 Detection : UV@254nm
 Injection volume : 5.0 µl

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Strong anion exchanger	SAX	10 µm	150 x 4.0 mm	P10SAX*15QS	P10SAX*15QK
	SAX	10 µm	250 x 4.0 mm	P10SAX*25QS	P10SAX*25QK
	85Å - 350 m ² /g SAX	10 µm	150 x 4.6 mm	P10SAX-15QS	P10SAX-15QK
	SAX	10 µm	250 x 4.6 mm	P10SAX-25QS	P10SAX-25QK
Strong cation exchanger	SCX	10 µm	150 x 4.0 mm	P10SCX*15QS	P10SCX*15QK
	SCX	10 µm	250 x 4.0 mm	P10SCX*25QS	P10SCX*25QK
	85Å - 350 m ² /g SCX	10 µm	150 x 4.6 mm	P10SCX-15QS	P10SCX-15QK
	SCX	10 µm	250 x 4.6 mm	P10SCX-25QS	P10SCX-25QK
Silica	SI	5 µm	150 x 4.0 mm	P5*15QS	P5*15QK
	SI	5 µm	250 x 4.0 mm	P5*25QS	P5*25QK
	SI	5 µm	150 x 4.6 mm	P5-15QS	P5-15QK
	SI	5 µm	250 x 4.6 mm	P5-25QS	P5-25QK
	SI	10 µm	150 x 4.0 mm	P10*15QS	P10*15QK
	SI	10 µm	250 x 4.0 mm	P10*25QS	P10*25QK
	SI	10 µm	150 x 4.6 mm	P10-15QS	P10-15QK
	SI	10 µm	250 x 4.6 mm	P10-25QS	P10-25QK
	SI	10 µm	250 x 4.6 mm	P10-25QS	P10-25QK

Analysis - HPLC - Interchim technology

Interchrom columns

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Octadecyl 80Å - 220 m ² /g %C : 11,8 end-capped	OD2	3 µm	150 x 2.0 mm	SG30D2#15QS	SG30D2#15QK
	OD2	3 µm	150 x 3.0 mm	SG30D2\$15QS	SG30D2\$15QK
	OD2	3 µm	50 x 4.6 mm	SG30D2-5QS	SG30D2-5QK
	OD2	3 µm	100 x 4.6 mm	SG30D2-10QS	SG30D2-10QK
	OD2	3 µm	150 x 4.6 mm	SG30D2-15QS	SG30D2-15QK
	OD2	5 µm	150 x 2.0 mm	SG50D2#15QS	SG50D2#15QK
	OD2	5 µm	250 x 2.0 mm	SG50D2\$25QS	SG50D2\$25QK
	OD2	5 µm	150 x 3.0 mm	SG50D2\$15QS	SG50D2\$15QK
	OD2	5 µm	250 x 3.0 mm	SG50D2\$25QS	SG50D2\$25QK
	OD2	5 µm	125 x 4.0 mm	SG50D2*12QS	SG50D2*12QK
	OD2	5 µm	250 x 4.0 mm	SG50D2*25QS	SG50D2*25QK
	OD2	5 µm	50 x 4.6 mm	SG50D2-5QS	SG50D2-5QK
	OD2	5 µm	100 x 4.6 mm	SG50D2-10QS	SG50D2-10QK
	OD2	5 µm	150 x 4.6 mm	SG50D2-15QS	SG50D2-15QK
	OD2	5 µm	250 x 4.6 mm	SG50D2-25QS	SG50D2-25QK
Octadecyl 80Å - 220 m ² /g %C : 6 non end-capped	OD1	3 µm	150 x 2.0 mm	SG30D1#15QS	SG30D1#15QK
	OD1	3 µm	150 x 3.0 mm	SG30D1\$15QS	SG30D1\$15QK
	OD1	3 µm	50 x 4.6 mm	SG30D1-5QS	SG30D1-5QK
	OD1	3 µm	100 x 4.6 mm	SG30D1-10QS	SG30D1-10QK
	OD1	3 µm	150 x 4.6 mm	SG30D1-15QS	SG30D1-15QK
	OD1	5 µm	150 x 2.0 mm	SG50D1#15QS	SG50D1#15QK
	OD1	5 µm	250 x 2.0 mm	SG50D1#25QS	SG50D1#25QK
	OD1	5 µm	150 x 3.0 mm	SG50D1\$15QS	SG50D1\$15QK
	OD1	5 µm	250 x 3.0 mm	SG50D1\$25QS	SG50D1\$25QK
	OD1	5 µm	125 x 4.0 mm	SG50D1*12QS	SG50D1*12QK
	OD1	5 µm	250 x 4.0 mm	SG50D1*25QS	SG50D1*25QK
	OD1	5 µm	50 x 4.6 mm	SG50D1-5QS	SG50D1-5QK
	OD1	5 µm	100 x 4.6 mm	SG50D1-10QS	SG50D1-10QK
	OD1	5 µm	150 x 4.6 mm	SG50D1-15QS	SG50D1-15QK
	OD1	5 µm	250 x 4.6 mm	SG50D1-25QS	SG50D1-25QK
Octyl 80Å - 220 m ² /g %C : 6 end-capped	C8	5 µm	150 x 2.0 mm	SG5C8#15QS	SG5C8#15QK
	C8	5 µm	250 x 2.0 mm	SG5C8#25QS	SG5C8#25QK
	C8	5 µm	150 x 3.0 mm	SG5C8\$15QS	SG5C8\$15QK
	C8	5 µm	250 x 3.0 mm	SG5C8\$25QS	SG5C8\$25QK
	C8	5 µm	125 x 4.0 mm	SG5C8*12QS	SG5C8*12QK
	C8	5 µm	250 x 4.0 mm	SG5C8*25QS	SG5C8*25QK
	C8	5 µm	50 x 4.6 mm	SG5C8-5QS	SG5C8-5QK
	C8	5 µm	100 x 4.6 mm	SG5C8-10QS	SG5C8-10QK
	C8	5 µm	150 x 4.6 mm	SG5C8-15QS	SG5C8-15QK
	C8	5 µm	250 x 4.6 mm	SG5C8-25QS	SG5C8-25QK

Siligel® 85 Å

Silica manufacturer : Interchim

- Standard silica type A
- Spherical
- pH stability : 2 < pH < 7
- Surface area : 220 m²/g



QS

QK

Analysis - HPLC - Interchim technology

Interchrom columns

Siligel® 85 Å

Silica manufacturer : Interchim

- Standard silica type A
- Spherical
- pH stability : 2 < pH < 7
- Surface area : 220 m²/g



QS

QK

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Hexyl 80Å - 220 m ² /g %C : 4.8 end-capped	C6	5 µm	150 x 2.0 mm	SG5C6#15QS	SG5C6#15QK
	C6	5 µm	250 x 2.0 mm	SG5C6#25QS	SG5C6#25QK
	C6	5 µm	150 x 3.0 mm	SG5C6\$15QS	SG5C6\$15QK
	C6	5 µm	250 x 3.0 mm	SG5C6\$25QS	SG5C6\$25QK
	C6	5 µm	125 x 4.0 mm	SG5C6*12QS	SG5C6*12QK
	C6	5 µm	250 x 4.0 mm	SG5C6*25QS	SG5C6*25QK
	C6	5 µm	50 x 4.6 mm	SG5C6-5QS	SG5C6-5QK
	C6	5 µm	100 x 4.6 mm	SG5C6-10QS	SG5C6-10QK
	C6	5 µm	150 x 4.6 mm	SG5C6-15QS	SG5C6-15QK
	C6	5 µm	250 x 4.6 mm	SG5C6-25QS	SG5C6-25QK
Cyano 80Å - 220 m ² /g %C : 3 non end-capped	CN	5 µm	150 x 2.0 mm	SG5CN#15QS	SG5CN#15QK
	CN	5 µm	250 x 2.0 mm	SG5CN#25QS	SG5CN#25QK
	CN	5 µm	150 x 3.0 mm	SG5CN\$15QS	SG5CN\$15QK
	CN	5 µm	250 x 3.0 mm	SG5CN\$25QS	SG5CN\$25QK
	CN	5 µm	125 x 4.0 mm	SG5CN*12QS	SG5CN*12QK
	CN	5 µm	250 x 4.0 mm	SG5CN*25QS	SG5CN*25QK
	CN	5 µm	50 x 4.6 mm	SG5CN-5QS	SG5CN-5QK
	CN	5 µm	100 x 4.6 mm	SG5CN-10QS	SG5CN-10QK
	CN	5 µm	150 x 4.6 mm	SG5CN-15QS	SG5CN-15QK
	CN	5 µm	250 x 4.6 mm	SG5CN-25QS	SG5CN-25QK
Phenyl 80Å - 220 m ² /g %C : 2.5 non end-capped	PH	5 µm	150 x 2.0 mm	SG5PH#15QS	SG5PH#15QK
	PH	5 µm	250 x 2.0 mm	SG5PH#25QS	SG5PH#25QK
	PH	5 µm	150 x 3.0 mm	SG5PH\$15QS	SG5PH\$15QK
	PH	5 µm	250 x 3.0 mm	SG5PH\$25QS	SG5PH\$25QK
	PH	5 µm	125 x 4.0 mm	SG5PH*12QS	SG5PH*12QK
	PH	5 µm	250 x 4.0 mm	SG5PH*25QS	SG5PH*25QK
	PH	5 µm	50 x 4.6 mm	SG5PH-5QS	SG5PH-5QK
	PH	5 µm	100 x 4.6 mm	SG5PH-10QS	SG5PH-10QK
	PH	5 µm	150 x 4.6 mm	SG5PH-15QS	SG5PH-15QK
	PH	5 µm	250 x 4.6 mm	SG5PH-25QS	SG5PH-25QK
Amino 80Å - 220 m ² /g %C : 2 non end-capped	NH2	5 µm	150 x 2.0 mm	SG5NH2#15QS	SG5NH2#15QK
	NH2	5 µm	250 x 2.0 mm	SG5NH2#25QS	SG5NH2#25QK
	NH2	5 µm	150 x 3.0 mm	SG5NH2\$15QS	SG5NH2\$15QK
	NH2	5 µm	250 x 3.0 mm	SG5NH2\$25QS	SG5NH2\$25QK
	NH2	5 µm	125 x 4.0 mm	SG5NH2*12QS	SG5NH2*12QK
	NH2	5 µm	250 x 4.0 mm	SG5NH2*25QS	SG5NH2*25QK
	NH2	5 µm	50 x 4.6 mm	SG5NH2-5QS	SG5NH2-5QK
	NH2	5 µm	100 x 4.6 mm	SG5NH2-10QS	SG5NH2-10QK
	NH2	5 µm	150 x 4.6 mm	SG5NH2-15QS	SG5NH2-15QK
NH2	5 µm	250 x 4.6 mm	SG5NH2-25QS	SG5NH2-25QK	

Analysis - HPLC - Interchim technology

Interchrom columns

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Strong anion exchanger 80Å - 220 m ² /g	SAX	5 µm	250 x 4.6 mm	SG5SAX-25QS	SG5SAX-25QK
	SAX	10 µm	250 x 4.6 mm	SG10SAX-25QS	SG10SAX-25QK
Strong cation exchanger 80Å - 220 m ² /g	SCX	5 µm	250 x 4.6 mm	SG5SCX-25QS	SG5SCX-25QK
	SCX	10 µm	250 x 4.6 mm	SG10SCX-25QS	SG10SCX-25QK
Silica 80Å - 220 m ² /g	SI	5 µm	150 x 2.0 mm	SG5#15QS	SG5#15QK
	SI	5 µm	250 x 2.0 mm	SG5#25QS	SG5#25QK
	SI	5 µm	150 x 3.0 mm	SG5\$15QS	SG5\$15QK
	SI	5 µm	250 x 3.0 mm	SG5\$25QS	SG5\$25QK
	SI	5 µm	125 x 4.0 mm	SG5*12QS	SG5*12QK
	SI	5 µm	250 x 4.0 mm	SG5*25QS	SG5*25QK
	SI	5 µm	50 x 4.6 mm	SG5-5QS	SG5-5QK
	SI	5 µm	100 x 4.6 mm	SG5-10QS	SG5-10QK
	SI	5 µm	150 x 4.6 mm	SG5-15QS	SG5-15QK
SI	5 µm	250 x 4.6 mm	SG5-25QS	SG5-25QK	

Siligel® 85 Å

Silica manufacturer : Interchim

- Standard silica type A
- Spherical
- pH stability : 2 < pH < 7
- Surface area : 220 m²/g



Analysis - HPLC - Interchim technology

Interchrom columns

Siligel® 85 Å

Silica manufacturer : Interchim

- Standard silica type A
- Spherical
- pH stability : 2 < pH < 7
- Surface area : 220 m²/g



QS

QK

Chromatography Report

Part Number : SG50D2-15QS
mfg # 708613 lot SG0D2-5-6304

Column Information

Material : Siligel
Bonding : ODS2
Particle Size (µm) : 5
Length (mm) : 150
I.D. (mm) : 4.6

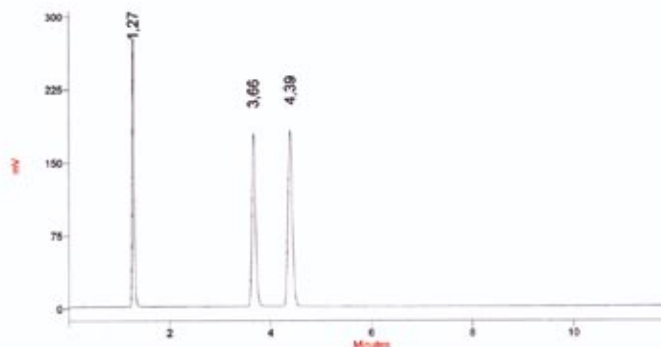
Test Conditions

Mobile Phase : ACN/H₂O-(70/30)
Flow Rate (mL/min) : 1
Pressure (bars) : 43
Temperature (°C) : 22
UV (nm) : 254
Sample Volume (µL) : 10



SHIPPING / STORAGE SOLVENT : Acetonitrile

#	Peak Name	Rt.	Tailing	Plates (USP)	Resolution (USP)
1	Uracil	1.27	1.46	6795.42	0.00
2	Toluene	3.66	1.27	12187.36	24.58
3	Naphtalene	4.39	1.14	12722.23	5.03



Accepted by :

interchim
www.interchim.com

Technical Support
Hot Line : 04 70 03 73 09
e-mail : interchim@interchim.com

✓ 211 bis Avenue Kennedy - BP 1140
03103 Montluçon Cedex - France
Tél. 33 (0)4 70 03 88 55
Fax 33 (0)4 70 03 82 60
e-mail : interchim@interchim.com

✓ 31 - 33 rue de Noully
92110 Clidjy sur Seine - France
Tél. 33 (0)1 41 32 34 40
Fax 33 (0)1 47 91 23 90
e-mail : interchim.paris@interchim.com

Analysis - HPLC - Interchim technology

Interchrom columns

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Octadecyl 100Å - 350 m ² /g %C : 21,6 end-capped 4.09 µmol/m ²	OD2	4 µm	125 x 4.0 mm	SU4OD2*12QS	SU4OD2*12QK
	OD2	4 µm	250 x 4.0 mm	SU4OD2*25QS	SU4OD2*25QK
	OD2	4 µm	100 x 4.6 mm	SU4OD2-10QS	SU4OD2-10QK
	OD2	4 µm	150 x 4.6 mm	SU4OD2-15QS	SU4OD2-15QK
	OD2	4 µm	250 x 4.6 mm	SU4OD2-25QS	SU4OD2-25QK
Octadecyl 100Å - 350 m ² /g %C : 21 non end-capped 3.61 µmol/m ²	OD1	4 µm	125 x 4.0 mm	SU4OD1*12QS	SU4OD1*12QK
	OD1	4 µm	250 x 4.0 mm	SU4OD1*25QS	SU4OD1*25QK
	OD1	4 µm	100 x 4.6 mm	SU4OD1-10QS	SU4OD1-10QK
	OD1	4 µm	150 x 4.6 mm	SU4OD1-15QS	SU4OD1-15QK
	OD1	4 µm	250 x 4.6 mm	SU4OD1-25QS	SU4OD1-25QK
Octyl 100Å - 350 m ² /g %C : 11,5 end-capped 3.55 µmol/m ²	RPB	4 µm	125 x 4.0 mm	SU4RPB*12QS	SU4RPB*12QK
	RPB	4 µm	250 x 4.0 mm	SU4RPB*25QS	SU4RPB*25QK
	RPB	4 µm	100 x 4.6 mm	SU4RPB-10QS	SU4RPB-10QK
	RPB	4 µm	150 x 4.6 mm	SU4RPB-15QS	SU4RPB-15QK
	RPB	4 µm	250 x 4.6 mm	SU4RPB-25QS	SU4RPB-25QK
Octyl 100Å - 350 m ² /g %C : 12,5 non end-capped 4.04 µmol/m ²	C8	4 µm	125 x 4.0 mm	SU4C8*12QS	SU4C8*12QK
	C8	4 µm	250 x 4.0 mm	SU4C8*25QS	SU4C8*25QK
	C8	4 µm	100 x 4.6 mm	SU4C8-10QS	SU4C8-10QK
	C8	4 µm	150 x 4.6 mm	SU4C8-15QS	SU4C8-15QK
	C8	4 µm	250 x 4.6 mm	SU4C8-25QS	SU4C8-25QK
Octyl 100Å - 350 m ² /g %C : 13 end-capped 4.44 µmol/m ²	C8E	4 µm	125 x 4.0 mm	SU4C8E*12QS	SU4C8E*12QK
	C8E	4 µm	250 x 4.0 mm	SU4C8E*25QS	SU4C8E*25QK
	C8E	4 µm	100 x 4.6 mm	SU4C8E-10QS	SU4C8E-10QK
	C8E	4 µm	150 x 4.6 mm	SU4C8E-15QS	SU4C8E-15QK
	C8E	4 µm	250 x 4.6 mm	SU4C8E-25QS	SU4C8E-25QK
Silica 100Å - 350 m ² /g	SI	4 µm	125 x 4.0 mm	SU4*12QS	SU4*12QK
	SI	4 µm	250 x 4.0 mm	SU4*25QS	SU4*25QK
	SI	4 µm	100 x 4.6 mm	SU4-10QS	SU4-10QK
	SI	4 µm	150 x 4.6 mm	SU4-15QS	SU4-15QK
	SI	4 µm	250 x 4.6 mm	SU4-25QS	SU4-25QK

Superspher® 100 Å

Silica manufacturer : Merck

- Standard silica type A
- Spherical
- pH stability : 2 < pH < 7
- Surface area : 350 m²/g



QS

QK

Analysis - HPLC - Interchim technology

Interchrom columns

Yperspher® 120 Å

Silica manufacturer : Interchim

- Spherical silica type A
- Spherical silica type A deactivated
- pH stability : 2 < pH < 7
- Surface area : 180 m²/g



	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Octadecyl 120Å - 180 m ² /g %C : 10 end-capped	C18	3 µm	150 x 2.0 mm	YP3C18#15QS	YP3C18#15QK
	C18	3 µm	150 x 3.0 mm	YP3C18\$15QS	YP3C18\$15QK
	C18	3 µm	50 x 4.6 mm	YP3C18-5QS	YP3C18-5QK
	C18	3 µm	100 x 4.6 mm	YP3C18-10QS	YP3C18-10QK
	C18	3 µm	150 x 4.6 mm	YP3C18-15QS	YP3C18-15QK
	C18	5 µm	150 x 2.0 mm	YP5C18#15QS	YP5C18#15QK
	C18	5 µm	250 x 2.0 mm	YP5C18#25QS	YP5C18#25QK
	C18	5 µm	150 x 3.0 mm	YP5C18\$15QS	YP5C18\$15QK
	C18	5 µm	250 x 3.0 mm	YP5C18\$25QS	YP5C18\$25QK
	C18	5 µm	125 x 4.0 mm	YP5C18*12QS	YP5C18*12QK
	C18	5 µm	250 x 4.0 mm	YP5C18*25QS	YP5C18*25QK
	C18	5 µm	50 x 4.6 mm	YP5C18-5QS	YP5C18-5QK
	C18	5 µm	100 x 4.6 mm	YP5C18-10QS	YP5C18-10QK
	C18	5 µm	150 x 4.6 mm	YP5C18-15QS	YP5C18-15QK
	C18	5 µm	250 x 4.6 mm	YP5C18-25QS	YP5C18-25QK

Octadecyl 135Å - 180 m ² /g deactivated %C : 11 end-capped	BDSC18	5 µm	150 x 2.0 mm	YP3BC18#15QS	YP3BC18#15QK
	BDSC18	5 µm	150 x 3.0 mm	YP3BC18\$15QS	YP3BC18\$15QK
	BDSC18	5 µm	50 x 4.6 mm	YP3BC18-5QS	YP3BC18-5QK
	BDSC18	5 µm	100 x 4.6 mm	YP3BC18-10QS	YP3BC18-10QK
	BDSC18	5 µm	150 x 4.6 mm	YP3BC18-15QS	YP3BC18-15QK
	BDSC18	5 µm	150 x 2.0 mm	YP5BC18#15QS	YP5BC18#15QK
	BDSC18	5 µm	250 x 2.0 mm	YP5BC18#25QS	YP5BC18#25QK
	BDSC18	5 µm	150 x 3.0 mm	YP5BC18\$15QS	YP5BC18\$15QK
	BDSC18	5 µm	250 x 3.0 mm	YP5BC18\$25QS	YP5BC18\$25QK
	BDSC18	5 µm	125 x 4.0 mm	YP5BC18*12QS	YP5BC18*12QK
	BDSC18	5 µm	250 x 4.0 mm	YP5BC18*25QS	YP5BC18*25QK
	BDSC18	5 µm	50 x 4.6 mm	YP5BC18-5QS	YP5BC18-5QK
	BDSC18	5 µm	100 x 4.6 mm	YP5BC18-10QS	YP5BC18-10QK
	BDSC18	5 µm	150 x 4.6 mm	YP5BC18-15QS	YP5BC18-15QK
	BDSC18	5 µm	250 x 4.6 mm	YP5BC18-25QS	YP5BC18-25QK

Octyl 120Å - 180 m ² /g %C : 7 end-capped	C8	5 µm	150 x 2.0 mm	YP5C8#15QS	YP5C8#15QK
	C8	5 µm	250 x 2.0 mm	YP5C8#25QS	YP5C8#25QK
	C8	5 µm	150 x 3.0 mm	YP5C8\$15QS	YP5C8\$15QK
	C8	5 µm	250 x 3.0 mm	YP5C8\$25QS	YP5C8\$25QK
	C8	5 µm	125 x 4.0 mm	YP5C8*12QS	YP5C8*12QK
	C8	5 µm	250 x 4.0 mm	YP5C8*25QS	YP5C8*25QK
	C8	5 µm	50 x 4.6 mm	YP5C8-5QS	YP5C8-5QK
	C8	5 µm	100 x 4.6 mm	YP5C8-10QS	YP5C8-10QK
	C8	5 µm	150 x 4.6 mm	YP5C8-15QS	YP5C8-15QK
	C8	5 µm	250 x 4.6 mm	YP5C8-25QS	YP5C8-25QK

QS

QK

Analysis - HPLC - Interchim technology

Interchrom columns

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Octyl 135Å - 180 m ² /g deactivated %C : 7 end-capped	BDSC8	5µm	150 x 2.0 mm	YP5BC8#15QS	YP5BC8#15QK
	BDSC8	5µm	250 x 2.0 mm	YP5BC8#25QS	YP5BC8#25QK
	BDSC8	5µm	150 x 3.0 mm	YP5BC8\$15QS	YP5BC8\$15QK
	BDSC8	5µm	250 x 3.0 mm	YP5BC8\$25QS	YP5BC8\$25QK
	BDSC8	5µm	125 x 4.0 mm	YP5BC8*12QS	YP5BC8*12QK
	BDSC8	5µm	250 x 4.0 mm	YP5BC8*25QS	YP5BC8*25QK
	BDSC8	5µm	50 x 4.6 mm	YP5BC8-5QS	YP5BC8-5QK
	BDSC8	5µm	100 x 4.6 mm	YP5BC8-10QS	YP5BC8-10QK
	BDSC8	5µm	150 x 4.6 mm	YP5BC8-15QS	YP5BC8-15QK
	BDSC8	5µm	250 x 4.6 mm	YP5BC8-25QS	YP5BC8-25QK
Cyano 120Å - 180 m ² /g %C : 4 non end-capped	CN	5µm	150 x 2.0 mm	YP5CN#15QS	YP5CN#15QK
	CN	5µm	250 x 2.0 mm	YP5CN#25QS	YP5CN#25QK
	CN	5µm	150 x 3.0 mm	YP5CN\$15QS	YP5CN\$15QK
	CN	5µm	250 x 3.0 mm	YP5CN\$25QS	YP5CN\$25QK
	CN	5µm	125 x 4.0 mm	YP5CN*12QS	YP5CN*12QK
	CN	5µm	250 x 4.0 mm	YP5CN*25QS	YP5CN*25QK
	CN	5µm	50 x 4.6 mm	YP5CN-5QS	YP5CN-5QK
	CN	5µm	100 x 4.6 mm	YP5CN-10QS	YP5CN-10QK
	CN	5µm	150 x 4.6 mm	YP5CN-15QS	YP5CN-15QK
	CN	5µm	250 x 4.6 mm	YP5CN-25QS	YP5CN-25QK
Phenyl 120Å - 180 m ² /g %C : 5 non end-capped	PH	5µm	150 x 2.0 mm	YP5PH#15QS	YP5PH#15QK
	PH	5µm	250 x 2.0 mm	YP5PH#25QS	YP5PH#25QK
	PH	5µm	150 x 3.0 mm	YP5PH\$15QS	YP5PH\$15QK
	PH	5µm	250 x 3.0 mm	YP5PH\$25QS	YP5PH\$25QK
	PH	5µm	125 x 4.0 mm	YP5PH*12QS	YP5PH*12QK
	PH	5µm	250 x 4.0 mm	YP5PH*25QS	YP5PH*25QK
	PH	5µm	50 x 4.6 mm	YP5PH-5QS	YP5PH-5QK
	PH	5µm	100 x 4.6 mm	YP5PH-10QS	YP5PH-10QK
	PH	5µm	150 x 4.6 mm	YP5PH-15QS	YP5PH-15QK
	PH	5µm	250 x 4.6 mm	YP5PH-25QS	YP5PH-25QK

Yperspher® 120 Å

Silica manufacturer : Interchim

- Spherical silica type A
- Spherical silica type A deactivated
- pH stability : 2 < pH < 7
- Surface area : 180 m²/g



QS

QK

Analysis - HPLC - Interchim technology

Interchrom columns

Yperspher® 120 Å

Silica manufacturer : Interchim

- Spherical silica type A
- Spherical silica type A deactivated
- pH stability : 2 < pH < 7
- Surface area : 180 m²/g



QS

QK

	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Amino 120Å - 180 m ² /g %C : 2 non end-capped	NH2	5µm	150 x 2.0 mm	YP5NH2#15QS	YP5NH2#15QK
	NH2	5µm	250 x 2.0 mm	YP5NH2#25QS	YP5NH2#25QK
	NH2	5µm	150 x 3.0 mm	YP5NH2\$15QS	YP5NH2\$15QK
	NH2	5µm	250 x 3.0 mm	YP5NH2\$25QS	YP5NH2\$25QK
	NH2	5µm	125 x 4.0 mm	YP5NH2*12QS	YP5NH2*12QK
	NH2	5µm	250 x 4.0 mm	YP5NH2*25QS	YP5NH2*25QK
	NH2	5µm	50 x 4.6 mm	YP5NH2-5QS	YP5NH2-5QK
	NH2	5µm	100 x 4.6 mm	YP5NH2-10QS	YP5NH2-10QK
	NH2	5µm	150 x 4.6 mm	YP5NH2-15QS	YP5NH2-15QK
	NH2	5µm	250 x 4.6 mm	YP5NH2-25QS	YP5NH2-25QK

Amino 120Å - 180 m ² /g	SI	5µm	150 x 2.0 mm	YP5#15QS	YP5#15QK
	SI	5µm	250 x 2.0 mm	YP5#25QS	YP5#25QK
	SI	5µm	150 x 3.0 mm	YP5\$15QS	YP5\$15QK
	SI	5µm	250 x 3.0 mm	YP5\$25QS	YP5\$25QK
	SI	5µm	125 x 4.0 mm	YP5*12QS	YP5*12QK
	SI	5µm	250 x 4.0 mm	YP5*25QS	YP5*25QK
	SI	5µm	50 x 4.6 mm	YP5-5QS	YP5-5QK
	SI	5µm	100 x 4.6 mm	YP5-10QS	YP5-10QK
	SI	5µm	150 x 4.6 mm	YP5-15QS	YP5-15QK
	SI	5µm	250 x 4.6 mm	YP5-25QS	YP5-25QK

Analysis - HPLC - Interchim technology

Interchrom columns

Yperspher® 120 Å

Silica manufacturer : Interchim

- Spherical silica type A
- Spherical silica type A deactivated
- pH stability : 2 < pH < 7
- Surface area : 180 m²/g

Chromatography Report

Part Number : YP5C18-25QS
mfg # 708116 lot YPC18-5-6314

Column Information

Material : Ypersphere
Bonding : C18
Particle Size (µm) : 5
Length (mm) : 250
I.D. (mm) : 4.6

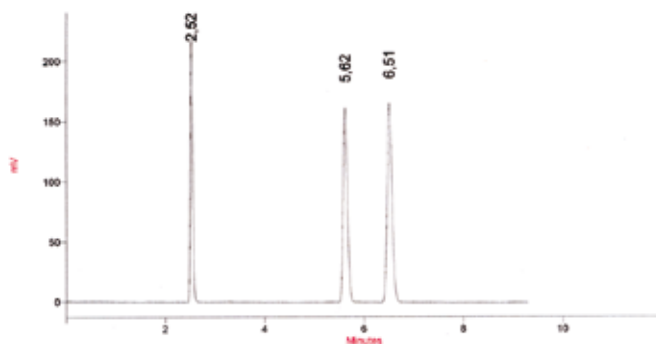
Test Conditions

Mobile Phase : ACN/H₂O-(70/30)
Flow Rate (mL/min) : 1
Pressure (bars) : 59
Temperature (°C) : 22
UV (nm) : 254
Sample Volume (µL) : 10



SHIPPING / STORAGE SOLVENT : Acetonitrile

#	Peak Name	Rt.	Tailing	Plates (USP)	Resolution (USP)
1	Uracil	2.52	1.29	13219.46	0.00
2	Toluene	5.62	1.22	20192.34	25.21
3	Naphtaline	6.51	1.18	20660.28	5.26



Accepted by :


www.interchim.com

Technical Support
Hot Line : 04 70 03 73 09
e-mail : interchrom@interchim.com

✓ 211 bis Avenue Kennedy - BP 1140
63103 Montluçon Cedex - France
Tél. 33 (0)4 70 03 88 55
Fax 33 (0)4 70 03 82 60
e-mail interchim@interchim.com

✓ 31 - 33 rue de Neully
92110 Clichy sur Seine - France
Tél. 33 (0)1 41 32 34 40
Fax 33 (0)1 47 91 23 90
e-mail interchim.paris@interchim.com



 .com

- Please contact your local distributor

B.121

Analysis - HPLC - Interchim technology

Interchrom columns

Zorbax® 70 Å

Silica manufacturer : Agilent Technologies

- Standard silica type A
- Spherical
- pH stability : 2 < pH < 7
- Surface area : 330 m²/g



	Phase	Particle size	Dimension	Modulo-Cart QS	Modulo-Cart QK
Octadecyl 70Å - 330 m ² /g %C : 20 end-capped 3.47 µmol/m ²	C18	5 µm	150 x 2.0 mm	Z5C18#15QS	Z5C18#15QK
	C18	5 µm	250 x 2.0 mm	Z5C18#25QS	Z5C18#25QK
	C18	5 µm	150 x 3.0 mm	Z5C18\$15QS	Z5C18\$15QK
	C18	5 µm	250 x 3.0 mm	Z5C18\$25QS	Z5C18\$25QK
	C18	5 µm	150 x 4.6 mm	Z5C18-15QS	Z5C18-15QK
	C18	5 µm	250 x 4.6 mm	Z5C18-25QS	Z5C18-25QK
	C18	7 µm	250 x 4.6 mm	Z7C18-25QS	Z7C18-25QK
Octyl 70Å - 330 m ² /g %C : 10 end-capped 2.99 µmol/m ²	C8	5 µm	150 x 2.0 mm	Z5C8#15QS	Z5C8#15QK
	C8	5 µm	250 x 2.0 mm	Z5C8#25QS	Z5C8#25QK
	C8	5 µm	150 x 3.0 mm	Z5C8\$15QS	Z5C8\$15QK
	C8	5 µm	250 x 3.0 mm	Z5C8\$25QS	Z5C8\$25QK
	C8	5 µm	150 x 4.6 mm	Z5C8-15QS	Z5C8-15QK
	C8	5 µm	250 x 4.6 mm	Z5C8-25QS	Z5C8-25QK
	C8	7 µm	250 x 4.6 mm	Z7C8-25QS	Z7C8-25QK
Methyl 70Å - 330 m ² /g %C : 5 non end-capped 4.79 µmol/m ²	C1	5 µm	150 x 2.0 mm	Z5C1#15QS	Z5C1#15QK
	C1	5 µm	250 x 2.0 mm	Z5C1#25QS	Z5C1#25QK
	C1	5 µm	150 x 3.0 mm	Z5C1\$15QS	Z5C1\$15QK
	C1	5 µm	250 x 3.0 mm	Z5C1\$25QS	Z5C1\$25QK
	C1	5 µm	150 x 4.6 mm	Z5C1-15QS	Z5C1-15QK
	C1	5 µm	250 x 4.6 mm	Z5C1-25QS	Z5C1-25QK
Phenyl 70Å - 330 m ² /g %C : 5 end-capped 1.23 µmol/m ²	PH	5 µm	150 x 2.0 mm	Z5PH#15QS	Z5PH#15QK
	PH	5 µm	250 x 2.0 mm	Z5PH#25QS	Z5PH#25QK
	PH	5 µm	150 x 3.0 mm	Z5PH\$15QS	Z5PH\$15QK
	PH	5 µm	250 x 3.0 mm	Z5PH\$25QS	Z5PH\$25QK
	PH	5 µm	150 x 4.6 mm	Z5PH-15QS	Z5PH-15QK
	PH	5 µm	250 x 4.6 mm	Z5PH-25QS	Z5PH-25QK
Amino 70Å - 330 m ² /g %C : 4 non end-capped 2.21 µmol/m ²	NH2	5 µm	150 x 2.0 mm	Z5NH2#15QS	Z5NH2#15QK
	NH2	5 µm	250 x 2.0 mm	Z5NH2#25QS	Z5NH2#25QK
	NH2	5 µm	150 x 3.0 mm	Z5NH2\$15QS	Z5NH2\$15QK
	NH2	5 µm	250 x 3.0 mm	Z5NH2\$25QS	Z5NH2\$25QK
	NH2	5 µm	150 x 4.6 mm	Z5NH2-15QS	Z5NH2-15QK
	NH2	5 µm	250 x 4.6 mm	Z5NH2-25QS	Z5NH2-25QK
Silica 70Å - 330 m ² /g	SI	5 µm	150 x 2.0 mm	Z5SI#15QS	Z5SI#15QK
	SI	5 µm	250 x 2.0 mm	Z5SI#25QS	Z5SI#25QK
	SI	5 µm	150 x 3.0 mm	Z5SI\$15QS	Z5SI\$15QK
	SI	5 µm	250 x 3.0 mm	Z5SI\$25QS	Z5SI\$25QK
	SI	5 µm	150 x 4.6 mm	Z5SI-15QS	Z5SI-15QK
	SI	5 µm	250 x 4.6 mm	Z5SI-25QS	Z5SI-25QK

Analysis - HPLC - Interchim technology

Interchrom columns

GP 5 µm polymeric columns

GP polymeric columns are packed with a porous styrene and divinyl benzene copolymer. This mechanically stable gel is hydrophobic in nature, in its native form (GP5RP) & stable under aggressive pH conditions - gels can achieve basic compound separation at high pH (> 8). Whilst this copolymer is less efficient than silica, good level of efficiencies can, in part, be achieved through a tight pore and particle size distribution.

The modified polyamide bonding phase (GP5PA) is suitable for saccharides and polysaccharides.

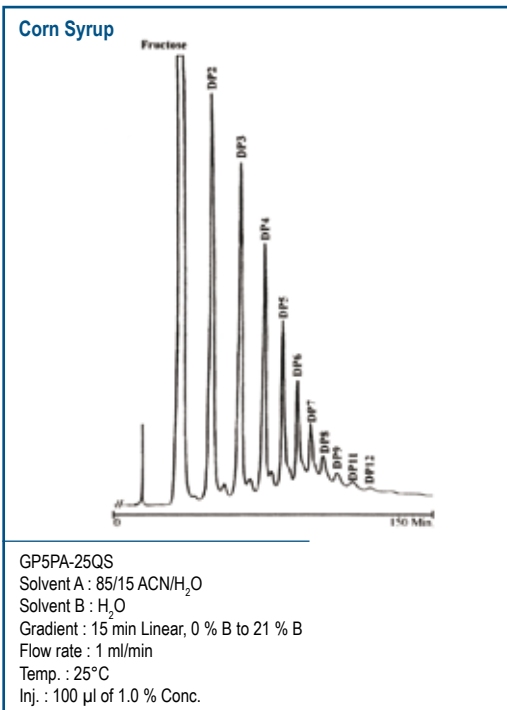
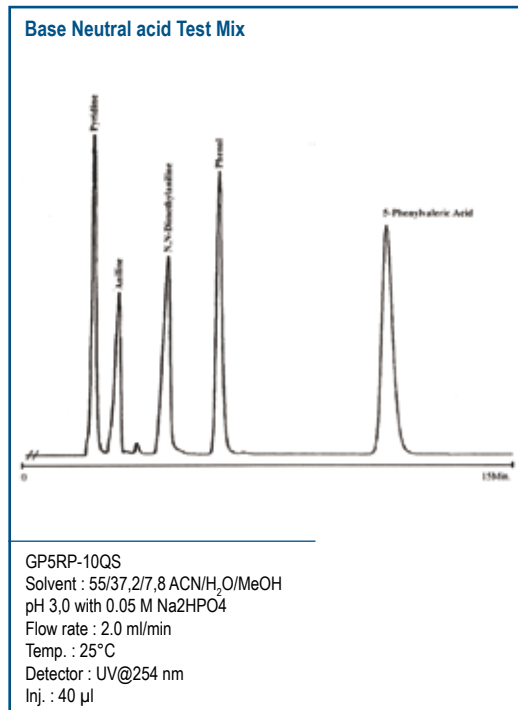
Available in 5 µm for analytical applications.

Typical applications	Dimension	P/N
Reverse phase	150 x 4.6 mm	GP5RP-15QS
	250 x 4.6 mm	GP5RP-25QS
Ion exchange, saccharides, polysaccharides	150 x 4.6 mm	GP5PA-15QS
	250 x 4.6 mm	GP5PA-25QS

Polymer Gel 100 Å

Manufacturer : Interchim

- PSDVB ultra pure
- Spherical
- pH stability : 0 < pH < 14
- Surface area : 400 m²/g



Analysis - HPLC - Interchim technology

Interchrom preparative columns

Preparative HPLC

Interchim Preparative columns range from 4.6 to 50.8 mm i.d and are for the purification of samples ranging from 0.5 mg to 1 gram. Preparative HPLC places specific demands on the components that form a preparative column. Interchim's Modulo-cart preparative columns pay particular attention to both the component and collective manufacturing processes.

Column tubing & column packing

The tube polishing value (Ra) has a fundamental importance in preparative chromatography. A primary reason for broadening peaks and low efficiency is the utilization of a poorer quality tubing. Molecules in the center of the mobile phase stream can move more rapidly than the molecules closer to the side due to friction against the tubing surface. The lower the Ra value, the smoother the surface is, and the less 'drag' the tubing will place upon a given separation. Modulo-cart preparative columns pay particular attention to this potential negative phenomenon. All columns have extremely smooth internal surfaces (typically 8 μ inch of Ra) to considerably reduce issues of drag and maintain column efficiency. Efficiency is also managed through Interchim's state-of-the art proprietary packing processes - Modulo-cart Prep withstand packing pressures up to 550 bars contributing strongly to a good bed stability and column life time.



Sample dispersion

The loading of sample onto a preparative column requires stringent management to establish quality separations. Column overloading results in a poor retention of pure fraction and therefore particular attention needs to be placed upon selecting the appropriate column dimension and the properties of the stationary phase. In addition, a careful control of the introduction of sample to the column is necessary to establish a homogeneous sample dispersion through the sorbent bead head. Sample typically enters a preparative column through a 1/16" fitting; poor sample loading will lead to overloading certain areas of the stationary phase whilst other areas will be underloaded.

E.g. For a 50 mm i.d column with a 500 μ m i.d capillary fitting - sample introduced to the column (without any sample distributor) will only interact with 0.01% of the surface column head. As well as a dramatic loss in capacity there will also be a high potential for the column head to prematurely clog, rapidly reducing column life times.

To prevent this problem Interchim's Modulo-cart Preparative columns are outfitted with a sample distributor. The sample distributor design maximizes the efficiency of sample volume dispersion and the sample mass introduced to the surface of the column head.



Analysis - HPLC - Interchim technology

Interchrom columns

Stationary phase

Upti-prep® technology not only provides extreme mechanical stability for all Uptisphere® stationary phases, stability is also assured for all particle sizes for a given stationary phase. Interchim's proprietary Uptisphere® (320 m²/g) and Uptisphere® Strategy™ (425 m²/g) stationary phases guarantee perfect batch to batch reproducibility and feature high loading capacities in a range of different selectivities. The seamless retention of quality from analytical phases with sub 2, 3 and 5 µm silica particles to preparative 10 and 15 µm particles place Interchim's Modulo-cart preparative range at the forefront of preparative HPLC.

Purification capacity for a 250 mm length column relative to internal diameter

I.D.	Purification capacity*
4.6 mm	0.5 to 10 mg
10.0 mm	2 to 50 mg
21.2 mm	20 to 200 mg
28.0 mm	50 to 400 mg
50.8 mm	100 mg to 1 g

*Capacity depends on the ratio : peak of interest Resolution (Rs) /impurities to purify

(Products and part number described later in the purification section)

Interchim column guarantee

1. Each phase batch undergoes strict quality control.
2. Every Modulo-Cart Quick Seal column is individually tested and delivered with its own chromatogram certificate.
3. Every Modulo-Cart Quick Seal produced fits the companies stringent standards of production
4. Every Modulo-Cart Quick Seal is shipped within 24 working hours of receipt of order