

New wide-pore BioLC columns YMC-Triart Bio C18

YMC
EUROPE GMBH
The Selectivity Company

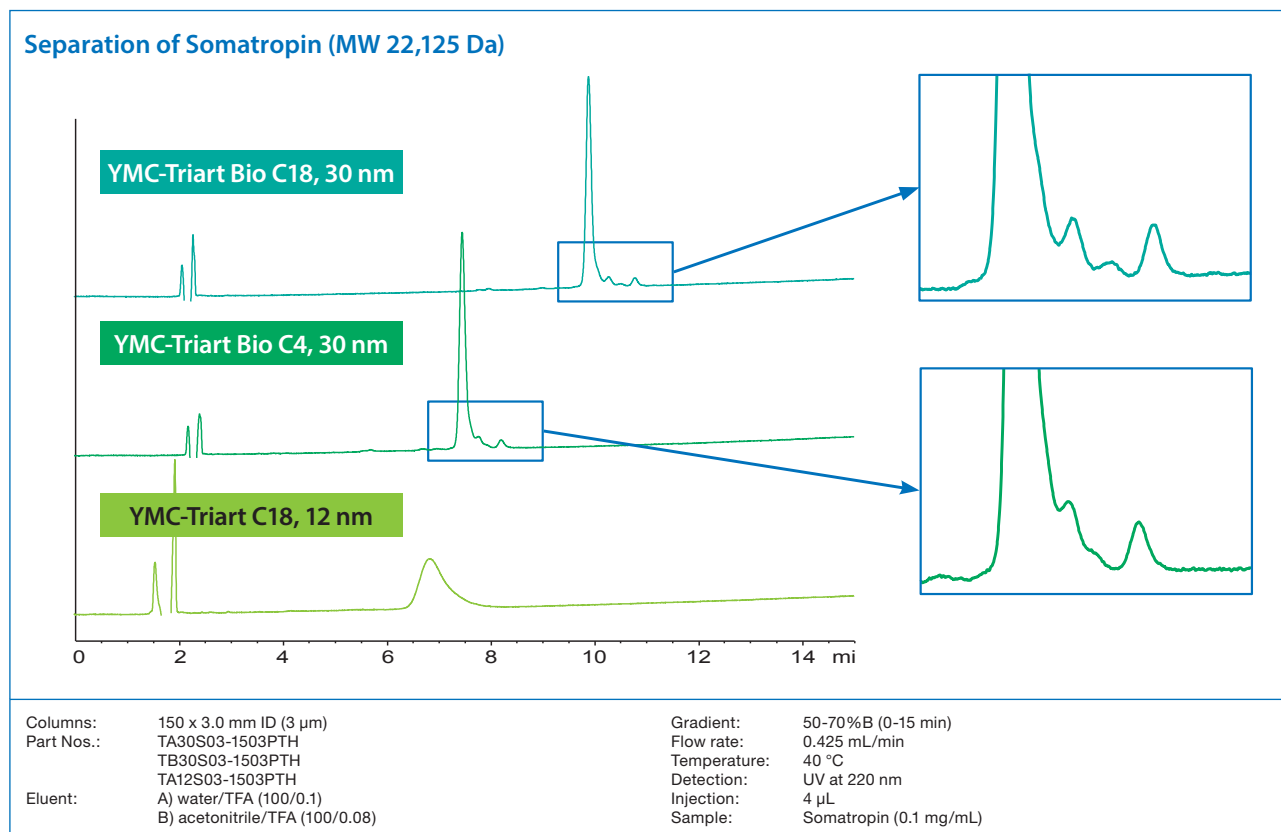
Features

- Especially designed for biomolecules such as larger peptides and proteins
- Robust wide-pore organic/inorganic hybrid silica base particle
- Ideal choice for LC/MS: optimal peak shapes with formic acid
- Short analysis times for strongly retaining compounds

Specifications

Base particle	Organic/inorganic silica
Stationary phase	C18 (USP L1)
Particle sizes	1.9; 3; 5 μm
Pore size	300 Å / 30 nm
Bonding	Trifunctional
Endcapping	Multi-stage
pH range	1–12
Temperature range	pH < 7: 90 °C pH > 7: 50 °C

Ideal solutions for any kind of biomolecule

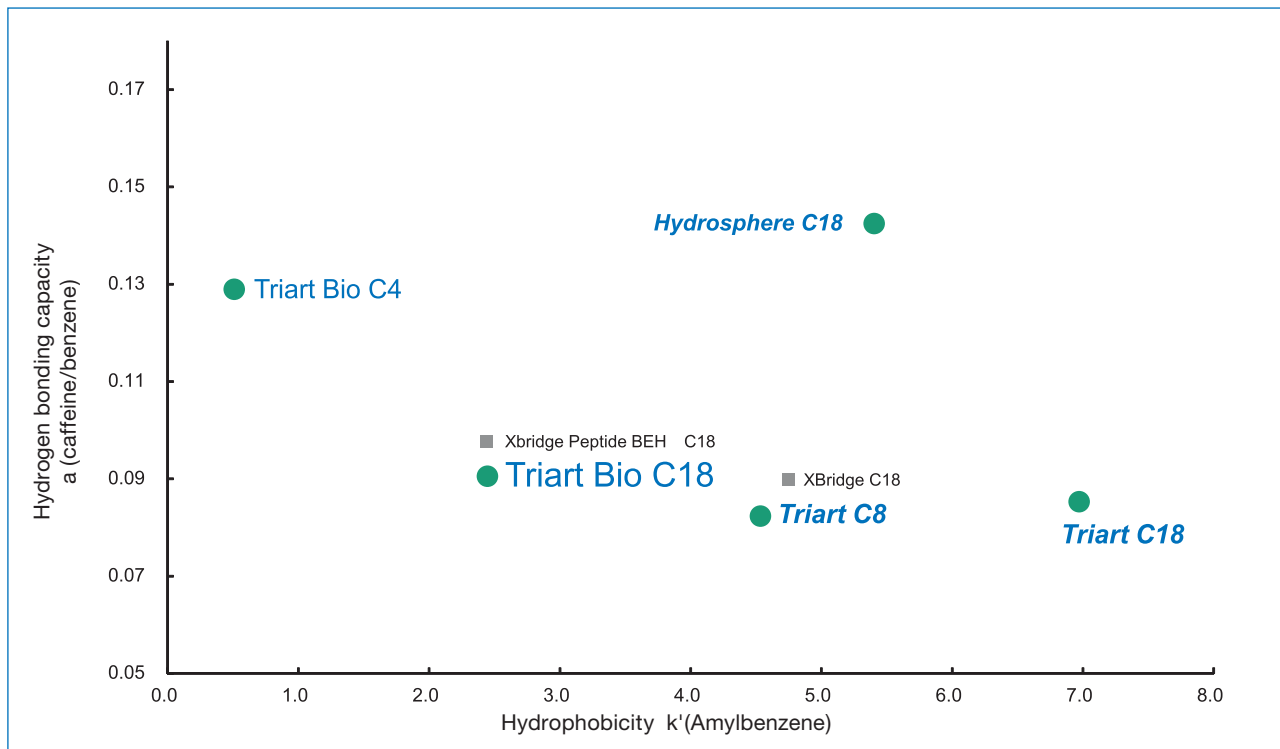


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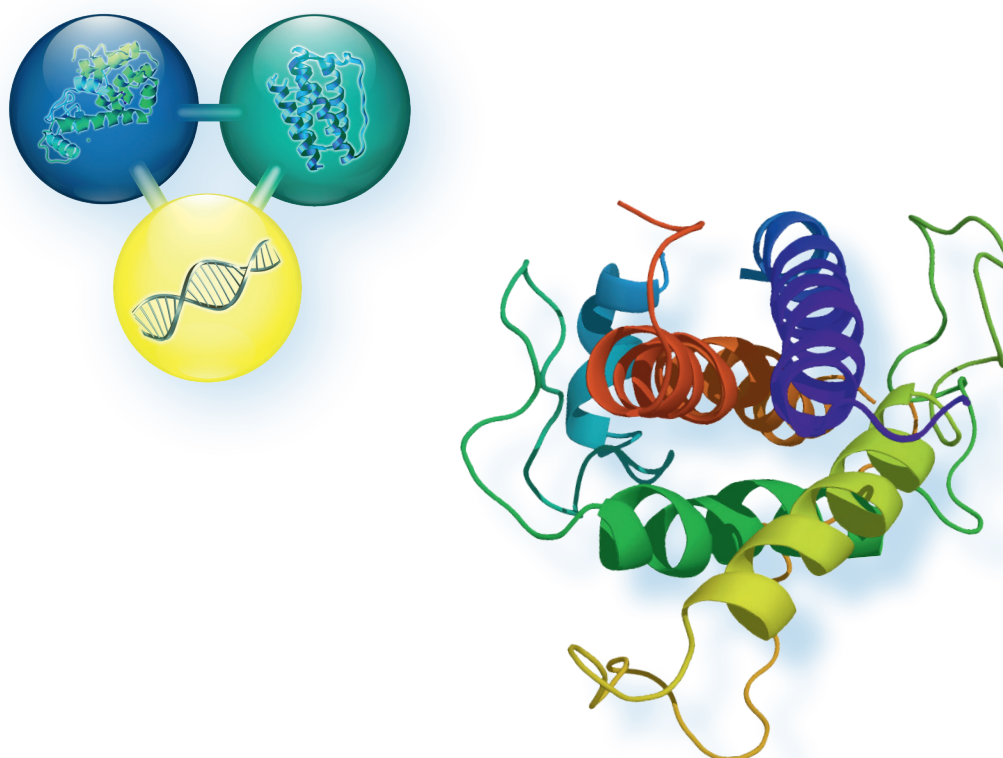
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Ideal Selectivity for biomolecules



YMC-Triart Bio C18 shows a selectivity between that of YMC-Triart Bio C4 and regular YMC-TriartC18/C8 with 12 nm pore. This feature perfectly supplements the existing products.



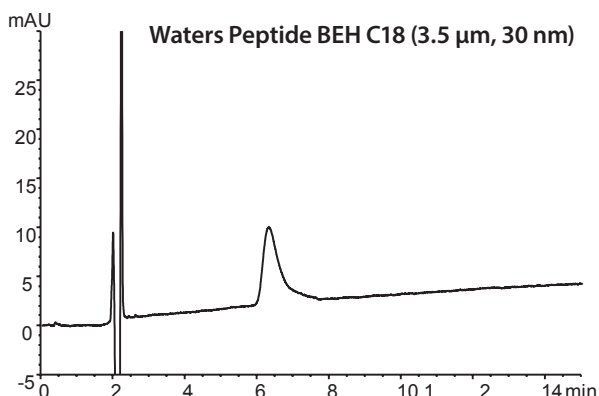
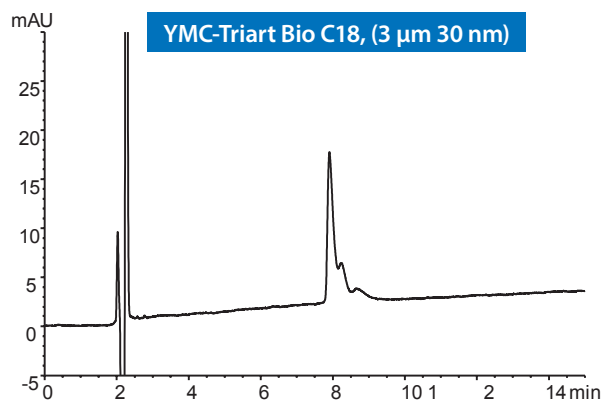
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Ideal for MS conditions

Good peak shape with mobile phase containing formic acid

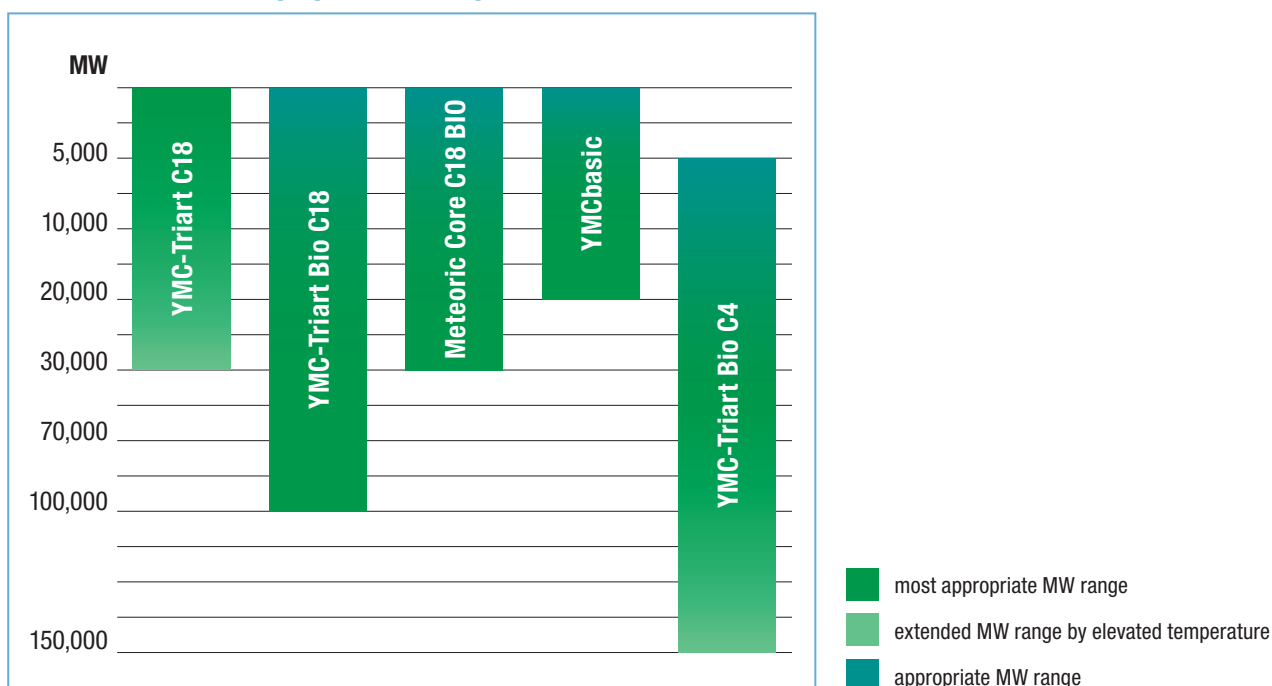


Column: 150 x 3.0 mm ID; 150 x 4.6 mm ID
Part No.: TA30S03-1503PTH
Eluent: A) water/formic acid (100/0.1)
B) acetonitrile/formic acid (100/0.08)
Gradient: 45–65%B (0–15 min)

Flow rate: 0.425 mL/min for 3.0 mm ID; 1.0 mL/min for 4.6 mm ID
Temperature: 40 °C
Detection: UV at 220 nm
Sample: Somatropin (0.1 mg/mL)

YMC-Triart Bio C18 is suitable for highly sensitive analysis and structural analysis of proteins using LC/MS since good peak shapes in mobile phase containing formic acid can be achieved.

BioLC columns for peptides and proteins



Ordering Information

YMC-Triart Bio C18 UHPLC columns

Particle size [μm]	Column ID [mm]	Column Length [mm]					Guard cartridges* with 5 mm length (pack of 3)
		30	50	75	100	150	
1.9	2.0	TA30SP9-0302PT	TA30SP9-0502PT	TA30SP9-L502PT	TA30SP9-1002PT	TA30SP9-1502PT	TA30SP9-E5Q1CC**
	2.1	TA30SP9-0301PT	TA30SP9-0501PT	TA30SP9-L501PT	TA30SP9-1001PT	TA30SP9-1501PT	TA30SP9-E5Q1CC**
	3.0	-	TA30SP9-0503PT	TA30SP9-L503PT	TA30SP9-1003PT	TA30SP9-1503PT	TA30SP9-E503CC

*Guard cartridge holder required, part no. XPCUHP, **Guard cartridge: 2.1 mm ID

YMC-Triart Bio C18 HPLC columns

Particle size [μm]	Column ID [mm]	Column Length [mm]						Guard cartridges* with 10 mm length (pack of 5)
		33	50	75	100	150	250	
3	2.1	TA30S03-H3Q1PTH	TA30S03-05Q1PTH	TA30S03-L5Q1PTH	TA30S03-10Q1PTH	TA30S03-15Q1PTH	-	TA30S03-01Q1GC
	3.0	-	TA30S03-0503PTH	TA30S03-L503PTH	TA30S03-1003PTH	TA30S03-1503PTH	-	TA30S03-0103GC
	4.6	TA30S03-H346PTH	TA30S03-0546PTH	TA30S03-L546PTH	TA30S03-1046PTH	TA30S03-1546PTH	TA30S03-2546PTH	TA30S03-0104GC
5	2.1	TA30S05-H3Q1PTH	TA30S05-05Q1PTH	TA30S05-L5Q1PTH	TA30S05-10Q1PTH	TA30S05-15Q1PTH	-	TA30S05-01Q1GC
	3.0	-	TA30S05-0503PTH	TA30S05-L503PTH	TA30S05-1003PTH	TA30S05-1503PTH	-	TA30S05-0103GC
	4.6	TA30S05-H346PTH	TA30S05-0546PTH	TA30S05-L546PTH	TA30S05-1046PTH	TA30S05-1546PTH	TA30S05-2546PTH	TA30S05-0104GC

*Guard cartridge holder required, part no. XPGCH-Q1

YMC-Triart Bio C18 metal-free (U)HPLC columns

Particle size [μm]	Column ID [mm]	Column Length [mm]		
		50	100	150
1.9	2.1	TA30SP9-05Q1PTP	TA30SP9-10Q1PTP	TA30SP9-15Q1PTP
3	2.1	TA30S03-05Q1PTP	TA30S03-10Q1PTP	TA30S03-15Q1PTP
	4.6	TA30S03-0546PTP	TA30S03-1046PTP	TA30S03-1546PTP
5	2.1	TA30S05-05Q1PTP	TA30S05-10Q1PTP	TA30S05-15Q1PTP
	4.6	TA30S05-0546PTP	TA30S05-1046PTP	TA30S05-1546PTP

YMC-Actus high-throughput semipreparative columns

Particle size [μm]	Column ID [mm]	Column Length [mm]					Guard cartridges* with 10 mm length (pack of 5)
		50	75	100	150	250	
5	20	TA30S05-0520WX	TA30S05-L520WX	TA30S05-1020WX	TA30S05-1520WX	TA30S05-2520WX	TA30S05-0120CCN
	30	TA30S05-0530WX	TA30S05-L530WX	TA30S05-1030WX	TA30S05-1530WX	TA30S05s-2530WX	TA30S05-0130CCN
	50	TA30S05-0553DX	-	TA30S05-1053DX	TA30S05-1553DX	TA30S05-2553DX	TA30S05-0553DXG**

*Guard cartridge holder required, part no. XPGHF2P20ID (20 mm ID), XPGHF2P30ID (30 mm ID), no holder required for 50 mm

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