



High resolution purifications

7 µm YMC-Triart Prep C18-S



Features

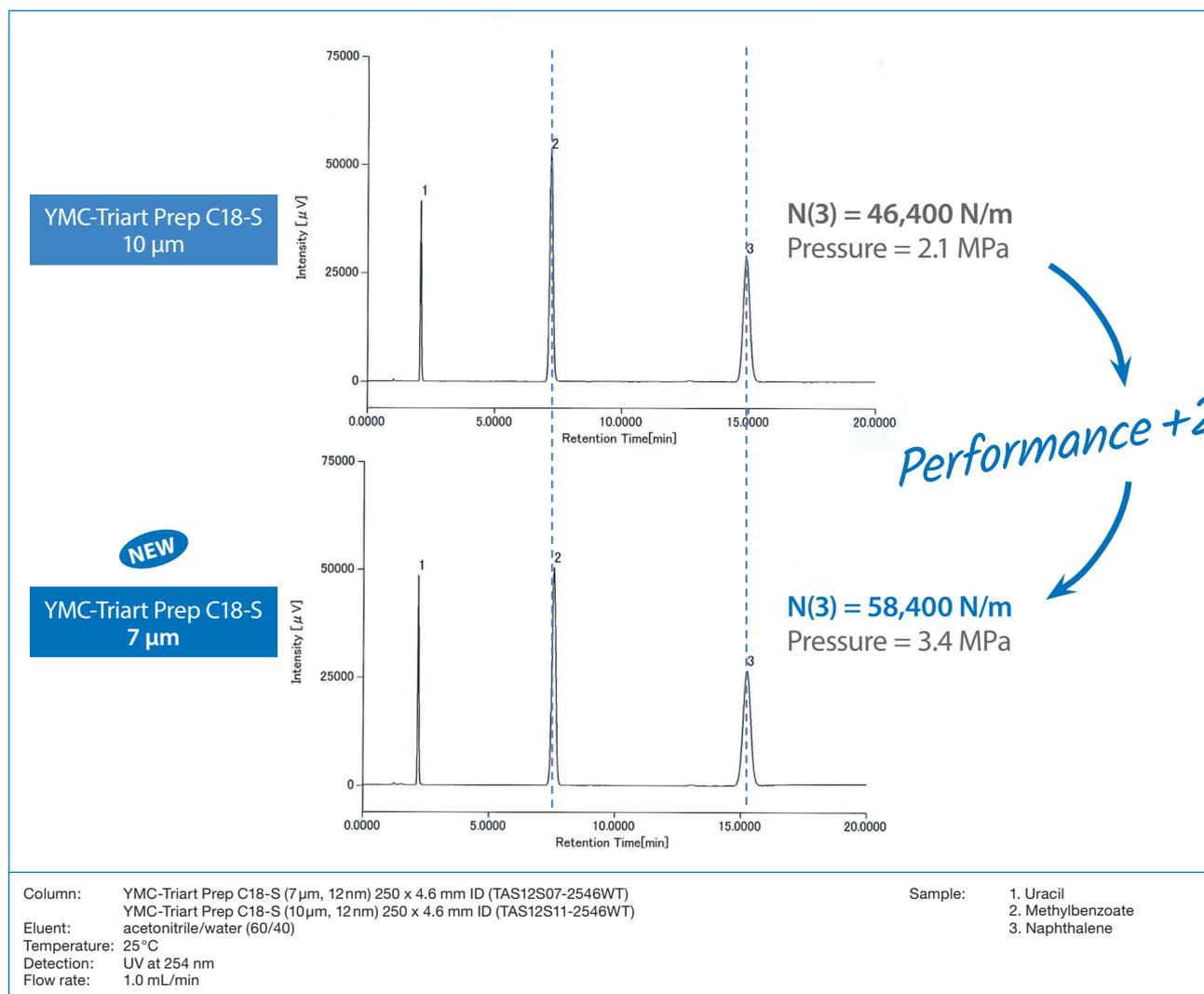
- **High resolution purifications, especially for research and development**
- **Scalable selectivity for easy method transfer**
- **Available in pre-packed columns and as bulk material for self-packing**

High number of purification runs

The high frequency of small scale purifications in R&D creates special demands on the separation methods and equipment used. Versatility, resolution and speed are required in order to achieve a rapid and universal separation or purification of the target compounds. The stationary phase used also has to provide maximum reliability and have short-term availability in a variety of practical pre-packed column formats.

The YMC solution

How can you combine all these challenging demands into one comprehensive solution? YMC has selected its successful YMC-Triart Prep phase with its versatile selectivity to develop a 7 µm phase for R&D purposes. The unique separation characteristics allow truly universal separation methods. Such methods simplify the daily work in R&D to achieve rapid separations or purifications of a broad variety of targets – usually at the first attempt.





High resolution purifications

7 µm YMC-Triart Prep C18-S



Available pre-packed and for self-packing

The new 7 µm YMC-Triart Prep C18-S, phase is available in YMC-Actus semi-preparative HPLC columns. With inner diameters of 20 mm, 30 mm or 50 mm, this stationary phase and column technology make a perfect match for outstanding reliability and efficiency. Alternatively, the phase is also available as bulk material for self-packing of columns.

Pre-packed columns

ID's: 20 mm, 30 mm, 50 mm

Lengths: 50 mm, 75 mm, 100 mm, 150 mm, 250 mm

Bulk material for self-packing

Specifications

Item	YMC-Triart Prep C18-S	YMC-Triart Prep C8-S
Base material	Organic / inorganic hybrid silica	
Functional group	C18	C8
End-capping	yes	yes
Particle size [µm]	NEW 7, 10, 15, 20	10, 15, 20
Pore size [nm]	12	12
Specific surface area [m ² /g]	360	360
pH range	Regular use: 2–10 Column cleaning: 2–12	
Bulk density (g/cm ³)	ca. 0.58	ca. 0.52

Ordering information bulk material

YMC-Triart Prep C18-S			YMC-Triart Prep C8-S		
Pore size [nm]	Particle size [µm]	Product code	Pore size [nm]	Particle size [µm]	Product code
12	7	TAS12S07	12	10	TOS12S11
	10	TAS12S11		15	TOS12S16
	15	TAS12S16		20	TOS12S21
	20	TAS12S21			

Other particle and pore size combinations available upon request

Typical pack sizes

Laboratory scale: smallest amount is 100 g up to 4 kg in PE bottles

Industrial scale: above 4 kg in double lined PE bags inside metal drums (10 kg or 25 kg drums)

Ordering information pre-packed columns

Packing material	Particle size [µm]	Column size Length x ID [mm]	Product code	Guard cartridges* [10 mm length]/ Guard columns [50 mm length]
YMC-Triart Prep C18-S 12 nm	7	50 x 20	TAS12S07-0520WX	TAS12S07-0120CCN
		100 x 20	TAS12S07-1020WX	TAS12S07-0120CCN
		150 x 20	TAS12S07-1520WX	TAS12S07-0120CCN
		250 x 20	TAS12S07-2520WX	TAS12S07-0120CCN
		50 x 30	TAS12S07-0530WX	TAS12S07-0130CCN
		75 x 30	TAS12S07-L530WX	TAS12S07-0130CCN
		100 x 30	TAS12S07-1030WX	TAS12S07-0130CCN
		150 x 30	TAS12S07-1530WX	TAS12S07-0130CCN
		100 x 50	TAS12S07-1053DX	TAS12S07-0553DXG
		150 x 50	TAS12S07-1553DX	TAS12S07-0553DXG
		250 x 50	TAS12S07-2553DX	TAS12S07-0553DXG

Other particle and pore size combinations available upon request · Other dimensions available upon request

*holder required for 20 or 30mm id:
20 mm ID guard cartridge holder: XPGHFSP20ID
30 mm ID guard cartridge holder: XPGHFSP30ID

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