

NEW

YMC's new preparative phenyl phase

YMC-Triart Prep Phenyl-S

YMC
 EUROPE GMBH
 The Selectivity Company

Improve your peptide separations

Features

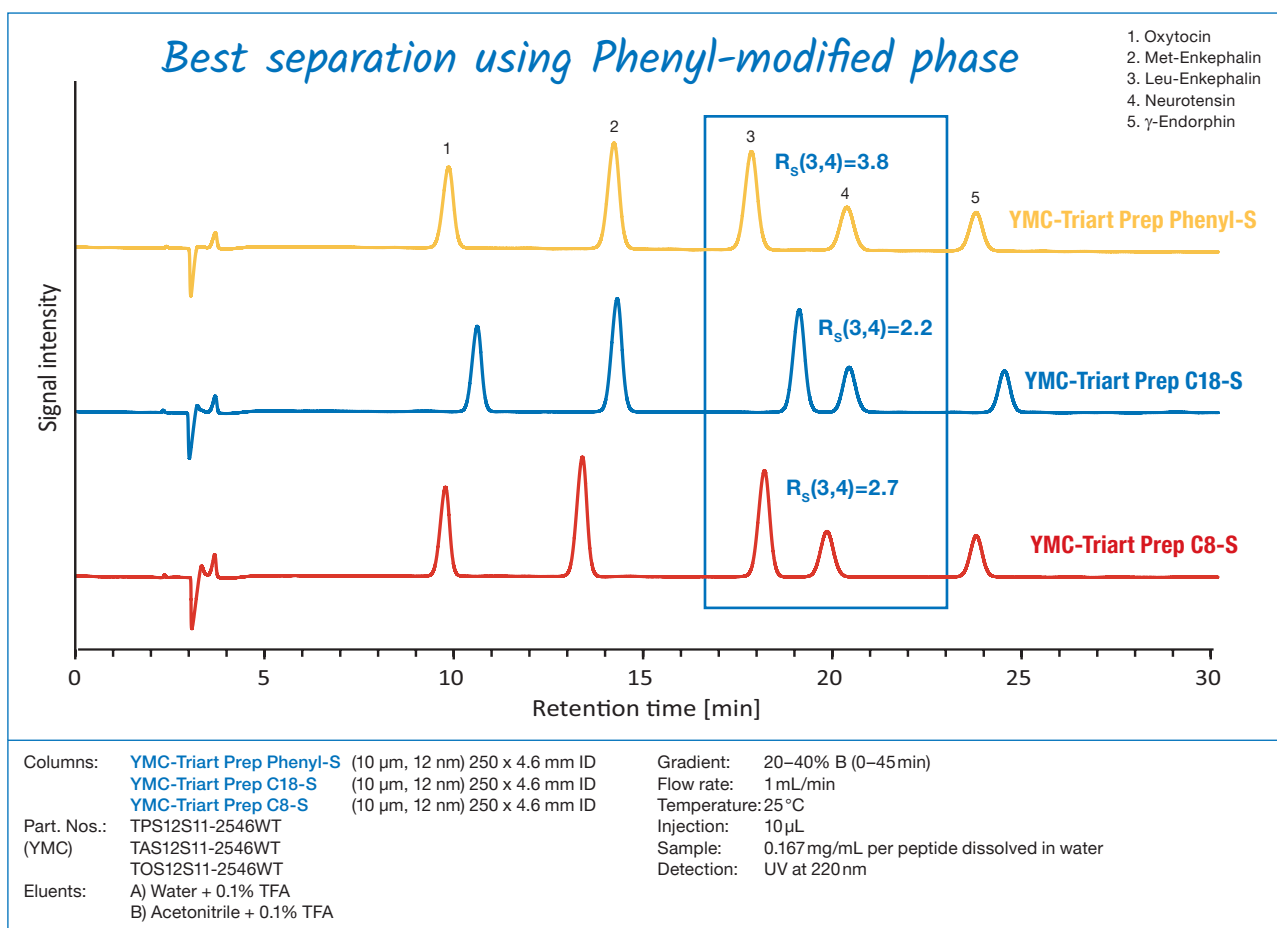
- **Better selectivity for peptides with aromatic residues**
- **Increased chemical stability for long lifetimes**
- **Scalable selectivity for easy method transfer from analytical to preparative scale**
- **Available in pre-packed columns and as bulk material for self-packing**

Full flexibility in peptide purification

The increasing relevance of peptides creates special demands on the separation methods used. The large variety of peptides with different physico-chemical properties requires suitable stationary phases for purification. Therefore, a selection of different phase modifications for screenings is the best solution. Additionally, the stationary phases used have to be robust, reliable and available in large scale quantities as well as in pre-packed column formats.

With the new YMC-Triart Prep Phenyl-S, YMC offers a new highly stable stationary phase for the preparative purification of peptides. In combination with the existing YMC-Triart Prep phases, the new phenyl-modified stationary phase is an important addition to the existing YMC-Triart family. With this phase, full flexibility for peptide purifications can be achieved.

For this example of the separation of five different peptides, the phenyl-modified YMC-Triart Prep phase leads to the best separation of the critical peak pair. This is the basis for a productive purification process with high loadability.



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Available pre-packed and for self-packing

Specifications

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Item	YMC-Triart Prep C18-S	YMC-Triart Prep C8-S	YMC-Triart Prep Bio200 C8	YMC-Triart Prep Phenyl-S
Base material	Organic / inorganic hybrid silica			
Functional group	C18	C8	C8	Phenyl
End-capping	yes	yes	yes	yes
Particle size [µm]	7, 10, 15, 20	10, 15, 20	10	10
Pore size [nm]	12	12	20	12
Specific surface area [m ² /g]	360	360	Proprietary	360
pH range	Regular use: 2–10 Column cleaning: 2–12			
Bulk density (g/cm ³)	0.58	0.52	0.54	0.54

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			

NEW

YMC-Triart Prep Bio200 C8			YMC-Triart Prep Phenyl-S		
Pore size [nm]	Particle size [µm]	Product code	Pore size [nm]	Particle size [µm]	Product code
20	10	TOB20S11	12	10	TPS12S11

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)

Please get in touch with
your YMC representative
for a quotation for
pre-packed columns.



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