

Now available

Your Complete Screening Set-up with YMC-Triart Prep

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Including new preparative stationary phase
YMC-Triart Prep C4-S

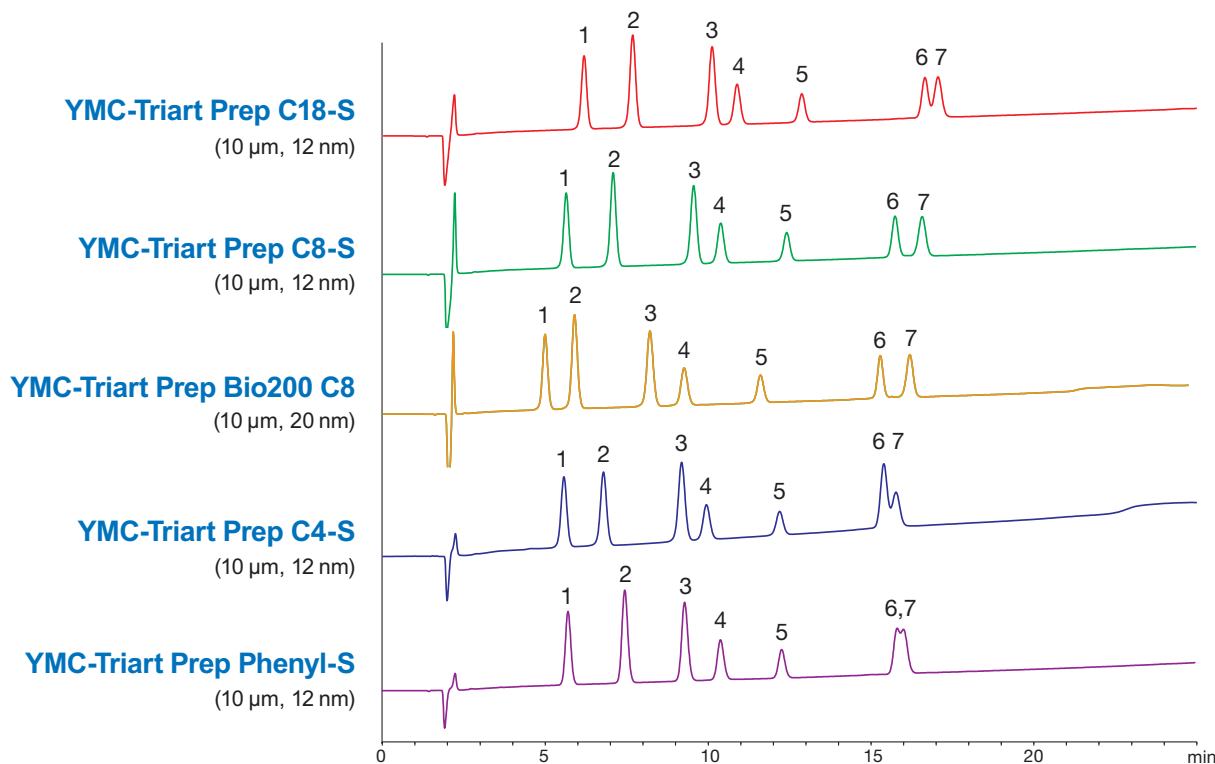
Identify the Best Results Using One Reliable Screening Set-up

Stationary phase screenings are the initial step towards efficient purification processes. The testing of different selectivities determines the best separation for a dedicated substance. Therefore, various LC-phases need to be screened and a comprehensive screening set-up is the basis.

Your reliable phase screening: The YMC-Triart Prep family has now been extended with the latest member **YMC-Triart Prep C4-S**. With this addition, a complete and comprehensive set-up for stationary phase screenings is now available. All five YMC-Triart Prep phases share the same base material with different modifications. This allows comparable results with the economic benefits of the Triart family.

Practical example – comprehensive screening of peptide separation: Seven different peptides were separated using all the available YMC-Triart Prep phases – each one provides its own advantage, depending on the peptide type and size. For example, for the separation of large peptides (peak pair 6,7), YMC-Triart Prep Bio200 C8 is the best solution due to its larger pore size, whereas YMC-Triart Prep Phenyl-S gives the best resolution for aromatic peptides (peak pair 3,4). This example shows that a screening of different selectivities is the key to success for the purification of any target substance.

5 Different Phases – One Reliable Screening Set-up!



Column: 150 x 4.6 mm ID
Eluent: A) water/TFA(100/0.1)
B) acetonitrile/TFA (100/0.1)
Gradient: 20–45%B (0–25 min)
Flowrate: 1.0 mL/min
Temperature: 37 °C
Detection: UV at 220nm
Injection: 10 µL (0.143 mg/mL)

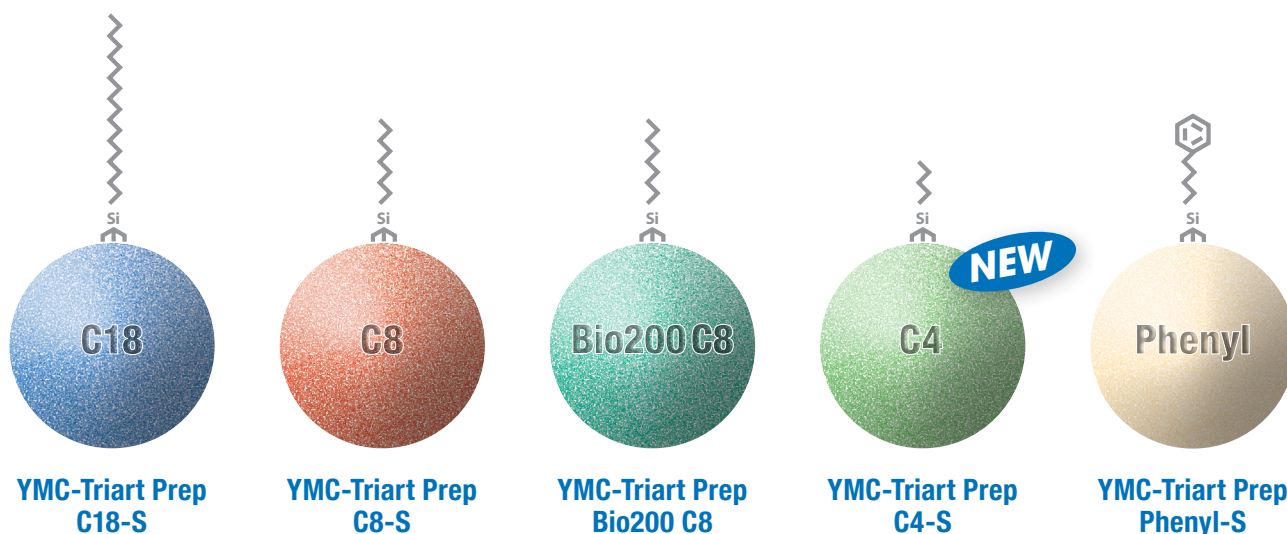
Peptide Sample

1. Oxytocin	(MW 1,007)
2. Met-Enkephalin	(MW 574)
3. Leu-Enkephalin	(MW 556)
4. Neurotensin	(MW 1,673)
5. γ -Endorphin	(MW 1,859)
6. Insulin (Bovine)	(MW 5,733)
7. β -Endorphin	(MW 3,465)

Features of the YMC-Triart Prep Screening Set-up

- Increased chemical stability for long lifetimes and cost-efficiency
- Scalable selectivity for easy method transfer from analytical to preparative scale
- Available in pre-packed columns and as bulk material for self-packing
- Complete screening set-up with all relevant RP-selectivities: define the best separation for your target

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The YMC-Triart Prep family includes five different stationary phases based on the approved organic/inorganic hybrid silica. All phases are fully endcapped and have a trifunctional bonding. The YMC-Triart Prep phases are chemically highly stable and can be used up to pH 10 and even pH 12 for efficient column cleaning procedures.

Specifications

	YMC-Triart Prep C18-S	YMC-Triart Prep C8-S	YMC-Triart Prep Bio200 C8	YMC-Triart Prep C4-S	YMC-Triart Prep Phenyl-S
Functional Group	C18	C8	C8	C4	phenyl (butyl)
Base Material	organic / inorganic hybrid silica				
Particle Size [μm]	7, 10, 15, 20	10, 15, 20	10	10	10
Pore Size [nm]	12	12	20	12	12
Carbon Load [%]	20	17	14	14	17
Endcapping	Yes				
pH Range	2–10 for regular use, 2–12 for column cleaning				
Features	first choice for small to mid-sized molecules	alternative selectivity to C18	20 nm pore C8 especially suitable for mid-sized molecules such as peptides	suppressed hydrophobicity	separation using π - π interaction

Order Information

	Particle Size	Pore Size	Product Code
YMC-Triart Prep C18-S	7 μm 10 μm 15 μm 20 μm	12 nm	TAS12S07 TAS12S11 TAS12S16 TAS12S21
YMC-Triart Prep C8-S	10 μm 15 μm 20 μm	12 nm	TOS12S11 TOS12S16 TOS12S21
YMC-Triart Prep Bio200 C8	10 μm	20 nm	T0B20S11
YMC-Triart Prep C4-S	10 μm	12 nm	TBS12S11
YMC-Triart Prep Phenyl-S	10 μm	12 nm	TPS12S11

Get your complete screening set-up and receive one sample for free!

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