Selection Guide

Peptides	Polar	Mid & non-polar	Hydrophobic	Natural, Fatty Acids
< 40AA MW: up to 5KDa pH: 1.5 to 8.0 max. pH: 10	puriFlash® BIO 100 C18N	puriFlash® BIO 100 C18T puriFlash® BIO 100 C18XS	Screening Of puriFlash® BIO 100 (C18N /C18T) puriFlash® BIO 100 C18XS	
< 80AA MW: up to 10KDa pH: 1.5 to 8.0 max. pH: 10	puriFlash® BIO 200 C18N	puriFlash® BIO 200 C18T puriFlash® BIO 200 C18XS	Screening Of puriFlash® BIO 200 (C18N /C18T) puriFlash® BIO 200 C18XS	
< 160AA MW: up to 20KDa pH: 1.5 to 8.0	puriFlash® BIO 200 C18N	puriFlash® BIO 200 C8N	puriFlash® BIO 200 C8N	
< 80AA MW: up to 100KDa pH: 1.5 to 8.0				puriFlash® BIO 300 C4AQ
In-Process QA/QC of Peptides Synthesis	In-Process QA/QC of Peptides Synthesis puriFlash® BIO CS 2.6C18N => puriFlash® BIO 100 2.5C18N			

Notes:
Polar Peptides => Hilic mode using higher % of ACN 95 -to- 85%
Hydrophobic Peptides => it is useful to work with Water/ACN using a few % Formic Acid or 0.05% TFA ~ pH 2. In case your peptides have Lysine, Arginine etc. it is better to have an alki environment in the solvent. You need real buffer and according to buffer solubility it is to suggest to switch to MeOH instead of ACN. Usually step-Gradients (Ramp Gradients) or Pseudo-Isocratic or very flat gradients lead to highest capacity.

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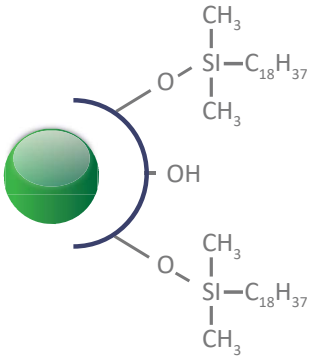
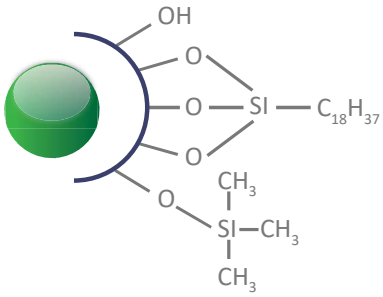
Peptides



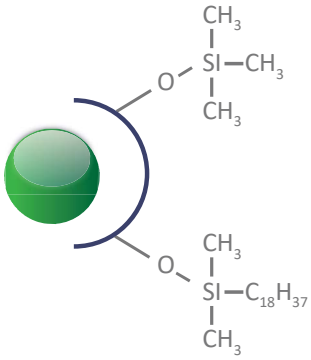
puriFlash® BIO C18-N

100Å - 320m²/g
2.5, 3.5, 5, 10, 15 & 30µm
C18 - octadecyl
Mono-functional
%C: 15.0
End-capping: None
pH stability: 1.5 to 8.0
Use mode: Reverse
In-Process QA/QC of Peptides Synthesis. Analysis & Purification of polar Peptides with les than 40AA & mw. up to 5KDa under pseudo hilic mode with 85% -to- 95% ACN. Analysis & Purification of hydrophobic Peptides with less than 40AA & mw. up to 5KDa.



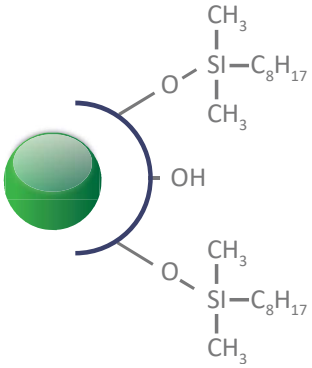
puriFlash® BIO C18-T

100Å - 320m²/g
2.5, 3.5, 5, 10, 15 & 30µm
C18 - octadecyl
Tri-functional
%C: 17.0
End-capping: One-step
pH stability: 1.5 to 8.0
Use mode: Reverse
Analysis & Purification of mid & non-polar Peptides, hydrophobic Peptides with less than 40AA & mw. up to 5KDa.



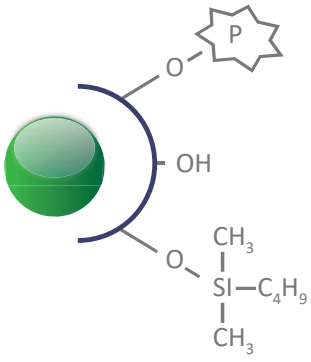
puriFlash® BIO C18-XS

100Å - 320m²/g
2.5, 3.5, 5, 10, 15 & 30µm
C18 - octadecyl
Mono-functional
%C: 17.0
End-capping: Multi-step
pH stability: 1.0 to 10.0
Use mode: Reverse
Analysis & Purification of mid & non-polar Peptides, hydrophobic Peptides with less than 40AA & mw. up to 5KDa under basic conditions up to pH: 10.0



puriFlash® BIO C8-N

200Å - 200m²/g
2.5, 3.5, 5, 10, 15 & 30µm
C18 - octadecyl
Mono-functional
%C: 7.0
End-capping: None
pH stability: 1.5 to 8.0
Use mode: Reverse
Analysis & Purification of polar Peptides less than 160AA & mw. up to 20KDa under pseudo hilic mode with 85% -to- 95% ACN. Analysis & Purification of hydrophobic Peptides with less than 80AA & mw. up to 10KDa.



puriFlash® BIO C4-AQ

300Å - 100m²/g
3.5, 5, 10, 15 & 30µm
C4 - butyl
Mono-functional
%C: 3.0
End-capping: Mixte
pH stability: 1.5 to 8.0
Use mode: Reverse
Analysis & Purification of natural Peptides, fatty acids with larger than 80AA & mw. up to 100KDa.