

YMC-Triart is based on organic/inorganic hybrid particles. The particle combines the high mechanical stability and high efficiency of a silica-based packing material with the high chemical stability of a polymer-based packing material. The granulation process utilizing microreactor technology enables continuous and highly controlled production of hybrid particles. The particle's uniform pore size distribution, smooth surface, and uniform particle size greatly contribute to excellent peak shape and separation reproducibility.

YMC-Triart Phases

Phase	Functional Group	Particle Size		USP Class No.	Pore Size	Carbon load	End-capped	Recommended Use		Part #s start with
		Analytical Columns	Prep Columns					pH range	Max Temperature*	
Triart C18	C18	1.9µm, 3µm, 5µm	5µm, 7µm, 10µm, 15µm	L1	120Å	20%	Yes	1-12	pH 1-7: 90° C pH 7-12: 50° C	TA12
Triart C18 ExRS	C18		5µm	L1	80Å	25%	Yes	1-12		TAR08
Triart C8	C8		5µm, 10µm, 15µm, 20µm	L7	120Å	17%	Yes	1-12		TO12
Triart Phenyl	Phenyl Butyl		5µm, 10µm	L11		17%	Yes	1-10	50° C	TPH12
Triart PFP	Pentafluorophenyl		5µm	L43		15%	No	1-8	50° C	TPF12
Triart Bio C18	C18			L1	300Å	-	Yes	1-12	pH 1-9: 90° C pH 9-12: 50° C	TA30
Triart Bio C4	C4 (Butyl)			L26		-	Yes	1-10	pH 1-7: 90° C pH 7-10: 50° C	TB30
Triart Diol-HILIC	Dihydroxypropyl			L20	120Å	12%	No	2-10	50° C	TDH12

*Recommended temperature range for normal use of all Triart chemistries: 20 - 40° C

All Triart phases are trifunctionally bonded. Aside from PFP and HILIC, all have multi-stage endcapping.

All Triart phases are available in stainless steel and bioinert columns (PEEK-coated or YMC-Accura surface-coated hardware)

= 100% aqueous stable (no phase de-wetting for RP)



For more information and applications, scan the QR code and view our YMC-Triart brochure.



You can also access it via this link:
<https://www.ymcamerica.com/resource/ymc-triart/>



YMC-Triart Phase Overview & Tanaka Values

