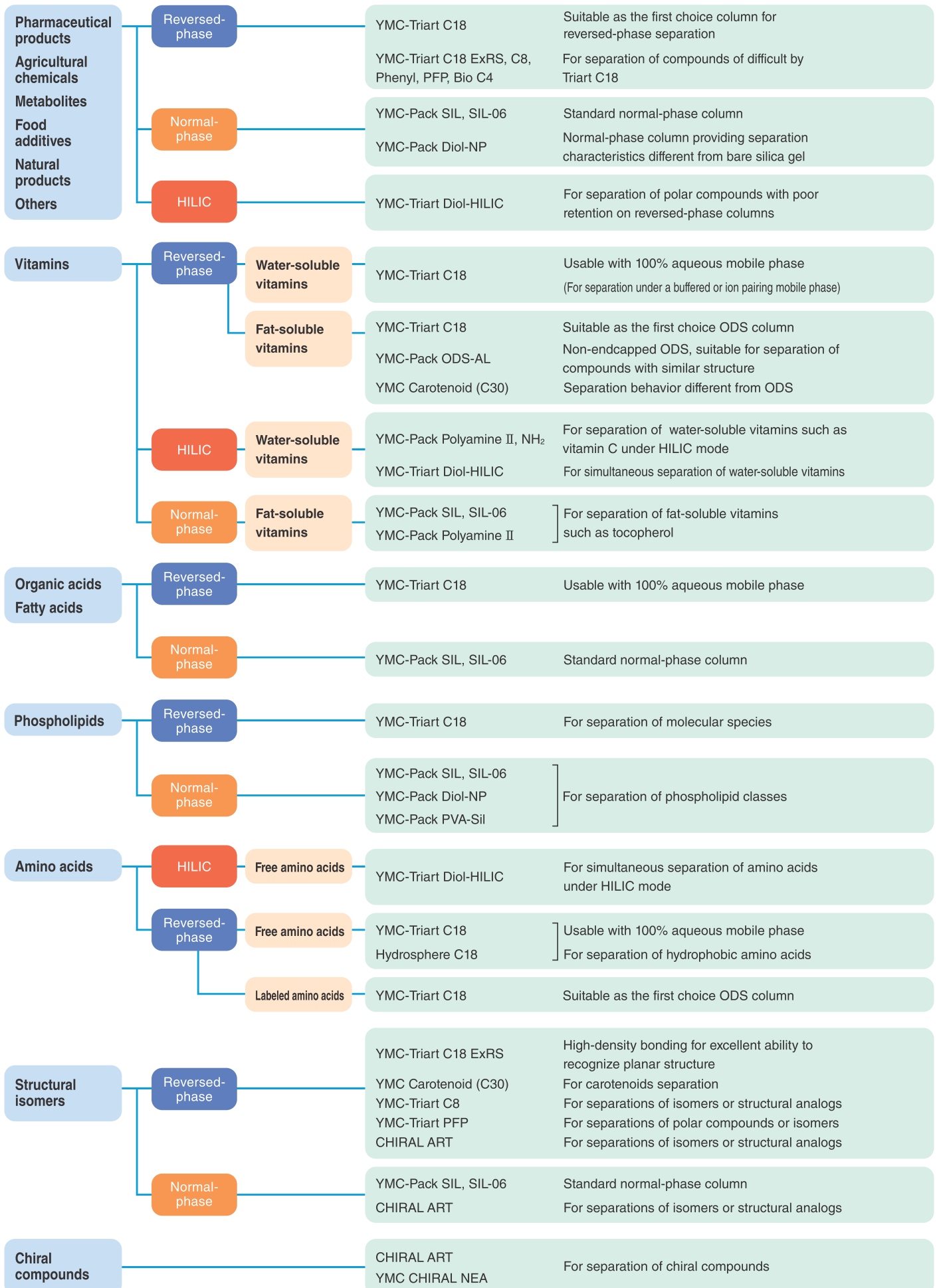
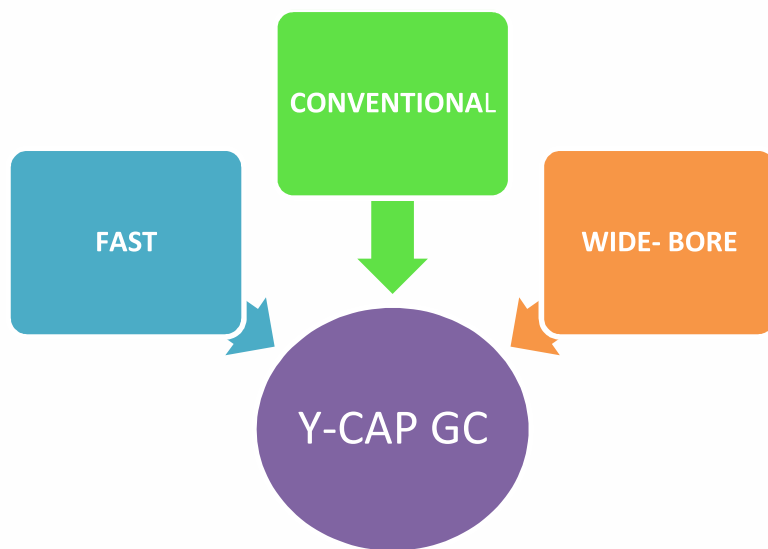


Column selection guide (Low molecular weight organic compounds)



USP Class No.	USP Description	Bonded phase	YMC product
L1	Octadecyl silane chemically bonded to porous or nonporous silica or ceramic microparticles, 1.5 to 10 µm in diameter, or a monolithic silica rod.	C18	YMC-Triart C18
			YMC-Triart C18 ExRS
			Meteoric Core C18
			Meteoric Core C18 BIO
			YMC-UltraHT Pro C18
			YMC-Pack Pro C18
			YMC-UltraHT Hydrosphere C18
			Hydrosphere C18
			YMC-Pack Pro C18 RS
			YMC-Pack ODS-A
			YMC-Pack ODS-AM
			YMC-Pack ODS-AQ
			YMC-Pack ODS-AL
			J'sphere ODS-H80
J'sphere ODS-M80			
J'sphere ODS-L80			
L3	Porous silica particles, 1.5 to 10 µm in diameter, or a monolithic silica rod.	Silica	YMC-Pack SIL
			YMC-Pack SIL-06
L7	Octylsilane chemically bonded to totally porous or superficially porous silica particles, 1.5 to 10 µm in diameter, or a monolithic silica rod.	C8	YMC-Triart C8
			Meteoric Core C8
			YMC-Pack Pro C8
			YMC-Pack C ₈
L8	An essentially monomolecular layer of aminopropylsilane chemically bonded to totally porous silica gel support, 1.5 to 10 µm in diameter.	NH ₂	YMC-Pack NH ₂
L10	Nitrile groups chemically bonded to porous silica particles, 1.5 to 10 µm in diameter.	CN	YMC-Pack CN
L11	Phenyl groups chemically bonded to porous silica particles, 1.5 to 10 µm in diameter.	Phenyl	YMC-Triart Phenyl YMC-Pack Ph
L13	Trimethylsilane chemically bonded to porous silica particles, 3 to 10 µm in diameter.	C1	YMC-Pack TMS
L20	Dihydroxypropane groups chemically bonded to porous silica or hybrid particles, 1.5 to 10 µm in diameter.	Diol	YMC-Triart Diol-HILIC
			YMC-Pack Diol-NP
			YMC-SEC MAB
			YMC-Pack Diol-60
			YMC-Pack Diol-120
			YMC-Pack Diol-200
			YMC-Pack Diol-300
L24	Polyvinylalcohol chemically bonded to porous silica particle, 5 µm in diameter.	Polyvinylalcohol	YMC-Pack PVA-Sil
L26	Butyl silane chemically bonded to totally porous silica particles, 1.5 to 10 µm in diameter.	C4	YMC-Triart Bio C4
			YMC-Pack Pro C4
			YMC-Pack C ₄
			YMC-Pack PROTEIN-RP
L27	Porous silica particles, 30 to 50 µm in diameter.	Silica	YMC-Pack SIL-HG
L33	Packing having the capacity to separate dextrans by molecular size over a range of 4,000 to 500,000 Da. It is spherical, silica-based, and processed to provide pH stability.	Diol	YMC-Pack Diol-60
			YMC-Pack Diol-120
			YMC-Pack Diol-200
			YMC-Pack Diol-300
L40	Cellulose tris-(3,5-dimethylphenylcarbamate) coated porous silica particles, 3 to 20 µm in diameter.	Cellulose tris-(3,5-dimethylphenylcarbamate)	CHIRAL ART Cellulose-C
L43	Pentafluorophenyl groups chemically bonded to silica particles by a propyl spacer, 1.5 to 10 µm in diameter.	PFP	YMC-Triart PFP
L51	Amylose tris-(3,5-dimethylphenylcarbamate)-coated, porous, spherical, silica particles, 3 to 10 µm in diameter.	Amylose tris-(3,5-dimethylphenylcarbamate)	CHIRAL ART Amylose-C Neo
L59	Packing for the size-exclusion separation of proteins (separation by molecular weight) over the range of 5 to 7,000 kDa. The packing is a spherical 1.5 to 10 µm, silica or hybrid packing with a hydrophilic coating.	Diol	YMC-SEC MAB
			YMC-Pack Diol-60
			YMC-Pack Diol-120
			YMC-Pack Diol-200
L62	C30 silane bonded phase on a fully porous spherical silica, 3 to 15 µm in diameter.	C30	YMC Carotenoid
L99	Amylose tris-(3,5-dimethylphenylcarbamate), immobilized on porous, spherical, silica particles, 3 to 5 µm in diameter.	Amylose tris-(3,5-dimethylphenylcarbamate)	CHIRAL ART Amylose-SA
L111	Polyamine chemically bonded to porous spherical silica particles, 5 µm in diameter.	Polyamine	YMC-Pack Polyamine II
L119	Cellulose tris-(3,5-dichlorophenylcarbamate), immobilized on porous, spherical, silica particles, 3 to 5 µm in diameter.	Cellulose tris-(3,5-dichlorophenylcarbamate)	CHIRAL ART Cellulose-SC





FAST – GC Columns				
Internal Diameter	0.05mm	0.75mm	0.10mm	0.15mm
Length*	from 1 to 5m	from 1 to 10m	from 1 to 20m	from 1 to 40m
Film Thickness**	from 0.05 to 0.25µm	from 0.05 to 0.50µm	from 0.05 to 1.40µm	from 0.05 to 2.00µm

CONVENTIONAL – GC Columns				
Internal Diameter	0.18mm	0.20mm	0.25mm	0.32mm
Length*	from 5 to 60m	from 5 to 105m	from 5 to 105m	from 5 to 105m
Film Thickness**	from 0.05 to 2.00µm	from 0.05 to 2.00µm	from 0.05 to 3.00µm	from 0.05 to 10.00µm

WIDE-BORE – GC Columns		
Internal Diameter	0.45mm	0.53mm
Length*	from 5 to 75m	from 5 to 75m
Film Thickness**	up to 7.00µm	up to 10.00µm

*: shorter and special lengths are available for GCxGC solutions and kits
 **: the maximum film thickness depends on the stationary phase type

All our stationary phases are available for FAST, Conventional, Wide-Bore and Multidimensional-GC, including solutions and kits for GCxGC

YMC HPLC, GC Vials and Syringe Filters- PFTE, NYLON, PVDF



YMC Cross Reference Guide

Y-CAP GC	AGILENT J&W	ALLTECH	MEGA	PHENOMENEX	QUADREX	RESTEK	SGE	SUPELCO	VARIAN
YGC-C01	DB-1, HP-1	AT-1	MEGA-1	ZB-1	007-1	Rtx-1	BP-1	SPB-1	CP-Sil 5 CB
YGC-C05	DB-5, HP-5	AT-5	MEGA-5	ZB-5	007-5	Rtx-5	BP-5	SPB-5	CP-Sil 8 CB
YGC-01(MS)	DB-1 ms, Ultra-1, HP-1 ms	AT-1	MEGA-1 MS	ZB-1 ms	007-1	Rtx-1 ms	BPX-1	SPB-1, Equity-1	CP-Sil 5 CB low bleed / ms, VF-1 ms
YGC-05(MS)	DB-5 ms, Ultra-2, HP-5 ms	AT-5 ms	MEGA-5 MS	ZB-5 ms	007-5 ms	Rtx-5 ms	BPX-5	SPB-5, Equity-5	-
YGC-WAX	DB-Wax, HP-Wax, InnoWax	AT-Wax	MEGA-WAX	ZB-Wax	007-CW	Rtx-Wax	BP-20	OmegaWax	CP-Wax 52 CB
YGC-WAX(MS)	DB-Wax, HP-Wax	AT-Wax ms	MEGA-WAX MS	ZB-Wax plus	007-CW	Stabilwax	BP-20	OmegaWax	VF-Wax ms
YGC-035(MS)	DB-35 ms	-	MEGA-35 MS	MR2	-	Rtx-35 Sil ms	BPX-35, BPX-608	-	-
YGC-017(MS)	DB-17 ms	-	MEGA-17 MS	-	-	Rtx-17 Sil ms	-	-	-
YGC-225(MS)	single column	-	MEGA-225 MS	-	-	-	-	-	-
YGC-C35	DB-35, HP-35	AT-35	MEGA-35	ZB-35, MR2	007-11	Rtx-35	BPX - 35, BPX-608	SPB-35, SPB-608	-
YGC-C1701	DB-1701, HP-1701	AT-1701	MEGA-1701	ZB-1701	007-1701	Rtx-1701	BP-10	SPB-1701	CP-Sil 19 CB, VF-1701ms
YGC0-C17	DB-17, DB-608, HP-17	AT-50	MEGA-17	ZB-50	007-17	Rtx-17	BPX-50	SPB-50	CP-Sil 24 CB, VF-17 ms
YGC-FFAP	DB-FFAP	AT-1000	MEGA-ACID (FFAP)	-	007-FFAP	Stabilwax-DA	BP-21	SPB-1000, Nukol	CP-Wax 58 CB
YGC-C10	HP-88	AT-Silar	MEGA-10	-	-	Rtx-2560	BP-70, BPX-70	SP-2560	CP-Sil 88
YGC-C13	-	-	MEGA-13	-	-	-	-	-	CP-Sil 13 CB
YGC-C624	DB-624, DB-1301, HP-624, DB-1301	AT-624	MEGA-624	ZB-624	007-624, 007-1301	Rtx-624, Rtx-Vocol, Rtx - 1301	BP-624	SPB-1301, Vocol, SPB-624	CP-1301, VF-624 ms
YGC-C200	DB-200, DB-210	AT-210T	MEGA-200	-	007-210	Rtx-200	-	SP-2401	VF-200 ms
YGC-C225	DB-225, HP-225	AT-225	MEGA-225	-	007-225	Rtx-225	BP-225	-	CP-Sil 43 CB
YGC-C264	-	-	MEGA-PS264	-	-	-	-	-	-
YGC-C225	-	-	MEGA-PS255	-	-	-	-	-	-
YGC-C52	-	-	MEGA-SE52	-	-	-	-	-	-
YGC-C54	-	-	MEGA-SE54	-	-	-	-	-	-
YGC-MPONA	DB-Petro, HP-Pona	-	MEGA-1 PONA	-	-	Rtx-1 Pona	-	Petrocol	-
YGC-C50	DB-23	-	MEGA-50	-	-	Rtx-2330	-	SP-2330	-
YGC-C20	-	AT-20	MEGA-20	-	007-7	Rtx-20	-	SPB-20	-
YGC-ADD	DX	-	MEGA-PLUS	-	-	-	-	-	-
YGC-LA	-	-	MEGA-LAP	-	-	-	-	-	-
YGC-BA	-	-	MEGA-BASIC	-	-	-	-	-	-