

# YMC Bulk Packing Material for Preparative Chromatography

	PRODUCT	PHASE DESCRIPTION	PORE SIZE* (nm)	PARTICLE SIZE* (µm spherical)	CARBON LOAD** (%)	pH	TYPICAL APPLICATIONS
Reversed Phase	C18	YMC-Triart Prep C18-S	12; (20)	10; 15; 20	20	2.0–10.0	first choice for method development, most versatile phase
		YMC*Gel ODS-A-HG	8; 12; 20; 30	10; 15; 20; 50	20; 17; 12; 7	2.0–7.5	pharmaceuticals, vitamins, peptides, amino acids, general purpose phase
		YMC*Gel ODS-AQ-HG	"hydrophilic" endcapping, for 100% aqueous eluent systems	8; 12; 20	10; 15; 20; 50	15; 14; 10	2.0–7.5
	C8	YMC-Triart Prep C8-S	12; 20	10; 15; 20	13	2.0–10.0	proteins and peptides, general purpose phase
		YMC*Gel C8-HG (Octyl)	12; 20; 30	10; 15; 20; 50	10; 7; 4	2.0–7.5	proteins and peptides, estrogens, general purpose phase
		YMCbasic	20	10	7	2.0–7.5	basic molecules w/o modifiers, peptides
	Phenyl	YMC*Gel Ph-HG (Phenyl)	12; (20; 30)	10; 15; 20; 50	9	2.0–7.5	phenols, fullerenes, sweeteners, aromatics
Normal Phase/HILIC	C4	YMC*Gel C4-HG (Butyl)	12; 20; 30	10; 15; 20; 50	7; 5; 3	2.0–7.5	biological separations, polar compounds, proteins
		YMC*Gel TMS-HG	12; (20; 30)	10; 15; 20; 50	4	2.0–7.5	water-soluble vitamins
	C1	YMC Omega	proprietary	10; 20; 50	15	2.0–7.5	polyunsaturated fatty acids, EPA, DHA
	HILIC	YMC*Gel NH <sub>2</sub> -HG (Amino)	12; (20; 30)	10; 15; 20; 50	3	2.0–7.5	sugars, nucleotides, water-soluble vitamins
		YMC*Gel CN-HG (Cyano)	12; (20; 30)	10; 15; 20; 50	7	2.0–7.5	proteins, steroids, catechols, for SFC applications
		YMC*Gel Diol-HG	12; 20; 30	10; 15; 20; 50	—	2.0–7.5	polar natural products, pharmaceuticals, for HILIC and SFC applications
		YMC*Gel SIL-HG (Silica)	6; 8; 12; 20; 30	10; 15; 20; 50	—	—	small organic molecules, fat-soluble vitamins, tocopherols, steroids
		YMC*Gel SIL (Silica)	6; 12	50; 75; 150	—	—	small organic molecules, fat-soluble vitamins, tocopherols, steroids
IEX	BioPro IEX Q75	high dynamic binding capacity, hydrophilic polymer anion exchange media	porous	75	—	2.0–12.0	monoclonal antibodies, proteins and peptides, IgG
	BioPro IEX S75	high dynamic binding capacity, hydrophilic polymer cation exchange media	porous	75	—	2.0–12.0	monoclonal antibodies, proteins and peptides, IgG
	BioPro IEX SmartSep Q10/20/30	high mechanical strength, hydrophilic polymer anion exchange media	porous	10; 20; 30	—	2.0–12.0	oligonucleotides, antibody pharmaceuticals, proteins and peptides
	BioPro IEX SmartSep S10/20/30	high mechanical strength, hydrophilic polymer cation exchange media	porous	10; 20; 30	—	2.0–12.0	antibody pharmaceuticals, proteins and peptides, insulin
SEC	YMC*Gel Diol-HG-120	versatile phase for gel filtration separations for MW 5,000 to 100,000 Da	12	10; 15; 20; 50	—	5.0–7.5	intermediate proteins, oligosaccharides
	YMC*Gel Diol-HG-200	versatile phase for gel filtration separations for MW 5,000 to 300,000 Da	20	10; 15; 20	—	5.0–7.5	large proteins, polysaccharides
	YMC*Gel Diol-HG-300	versatile phase for gel filtration separations for MW 20,000 to 1,000,000 Da	30	10; 15; 20	—	5.0–7.5	very large proteins, antibodies, polysaccharides
Chiral Polysaccharides	CHIRAL ART Amylose-C	coated derivative [alternative to CHIRALPAK® AD]	proprietary	10; 20	—	—	wide application range, SFC/SMB
	CHIRAL ART Amylose-C Neo	extended resolution and loadability, coated [alternative to CHIRALPAK® AD]	proprietary	10; 20	—	—	wide application range, SFC/SMB
	CHIRAL ART Cellulose-C	coated derivative [alternative to CHIRALCEL® OD]	proprietary	10; 20	—	—	wide application range, SFC/SMB
	CHIRAL ART Amylose-SA	immobilised derivative [alternative to CHIRALPAK® IA]	proprietary	10; 20	—	2.0–9.0	wide application range for RP, NP, SFC and SMB
	CHIRAL ART Cellulose-SB	immobilised derivative [alternative to CHIRALPAK® IB]	proprietary	10; 20	—	2.0–9.0	wide application range for RP, NP, SFC and SMB
	CHIRAL ART Cellulose-SC	immobilised derivative [alternative to CHIRALPAK® IC]	proprietary	10; 20	—	2.0–9.0	wide application range for RP, NP, SFC and SMB
	CHIRAL ART Cellulose-SJ	immobilised derivative [alternative to coated CHIRALCEL® OJ]	proprietary	10; 20	—	2.0–9.0	wide application range for RP, NP, SFC and SMB
	Chiral Prep CD ST	cyclodextrin based stationary phase for chiral RP separations	12	10; 20; 50	—	2.0–7.0	chiral separations, structural isomers
	Chiral Prep CD PM	phenyl modified cyclodextrin based phase, for NP and RP applications	12	10; 20; 50	—	2.0–7.0	chiral separations, structural isomers

Analytical grades (3 and 5 µm) are routinely available in pre-packed columns. Particle sizes as indicated. If not listed, please ask for quotation. Multi ton capacity. Customized packing materials available on request. Pore sizes in parenthesis on request. \*\*With respect to pore size.

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**YMC**  
EUROPE GMBH

