

Carrier Name	Supplier	Base Material	Surface Chemistry
Cascade Bio #1 **	Cascade Bio	silica	proprietary / custom
Cascade Bio #2 **	Cascade Bio	silica	proprietary / custom
Cascade Bio #3 **	Cascade Bio	silica	proprietary / custom
Cascade Bio #4 **	Cascade Bio	silica	proprietary / custom
Cascade Bio #5 **	Cascade Bio	silica	proprietary / custom
Cascade Bio #6 **	Cascade Bio	silica	proprietary / custom
IB-COV-9	Chiralvision	silica	Propyl epoxide
IB-ANI-12	Chiralvision	silica	Primary amine
IB-ANI-16	Chiralvision	silica	Primary amine
IB-ANI-17	Chiralvision	silica	Secondary amine
IB-ANI-18	Chiralvision	silica	Quaternary amine
IB-ANI-19	Chiralvision	silica	tertiary amine
IB-ANI-20	Chiralvision	silica	hexamine spacer
IB-ADS-13	Chiralvision	silica	Short alkane
IB-ADS-14	Chiralvision	silica	Medium alkane
IB-ADS-15	Chiralvision	silica	Long alkane
IB-HIS-1	Chiralvision	polyacrylic	low IDA-nickel, high butyl
IB-HIS-2	Chiralvision	polyacrylic	IDA-nickel, low butyl
IB-HIS-3	Chiralvision	polyacrylic	low IDA-nickel, octadecyl
IB-HIS-4	Chiralvision	polyacrylic	IDA-nickel, hexadecyl/octadecyl
IB-HIS-7	Chiralvision	polyacrylic	IDA-nickel, hydroxyethyl
IB-HIS-8	Chiralvision	polyacrylic	IDA-nickel
IB-HIS-9	Chiralvision	polyacrylic	IDA-nickel, ammonia quenched
IB-HIS-11	Chiralvision	polyacrylic	diamine, NTA-nickel
IB-HIS-14	Chiralvision	polyacrylic	NTA-nickel
IB-HIS-15	Chiralvision	silica	aminopropyl, NTA-nickel
IB-HIS-16	Chiralvision	cellulose	NTA-nickel
IB-HIS-17	Chiralvision	polyacrylic	IDA and Nickel
IB-HIS-18	Chiralvision	polyacrylic	diamine, NTA-nickel
IB-HIS-19	Chiralvision	polyacrylic	diamine, NTA-nickel
IB-HIS-20	Chiralvision	polyacrylic	ammonia, NTA-nickel
IB-HIS-21	Chiralvision	silica	propyl, IDA-nickel
IB-HIS-22	Chiralvision	cellulose	IDA-nickel
Duolite A7	Dupont	phenol formaldehyde	tertiary amine

Duolite A568 **	Dupont	phenol formaldehyde	tertiary amine
Duolite A561	Dupont	phenol formaldehyde	tertiary amine
Amberlite IRC748	Dupont	styrene DVB	iminodiacetic acid
XUR-1525-L22-14	Dupont	styrene DVB	tertiary amine
XUR-1525-L24-033	Dupont	styrene DVB	tertiary amine
Amberlite XAD761 **	Dupont	formophenolic	phenolic + hydroxyl/methoxyl
Amberlite XAD7HP	Dupont	aliphatic acrylic	none
Amberlite XAD1180N	Dupont	crosslinked DVB	none
PD-24056**	Ecovyst	silica	primary amine
PD-24057**	Ecovyst	silica	diamine
PD-24059	Ecovyst	silica	C3
PD-24060	Ecovyst	silica	C8
PD-24061	Ecovyst	silica	C16
PD-24062	Ecovyst	silica	quaternary amine
Lewatit VP OC 1600	Lenntech	acrylic polymer	none
Lewatit GF 808	Lenntech	acrylic polymer	none
Applexion XA3251	Novasep	n/a	n/a
Applexion XA5251	Novasep	n/a	n/a
Applexion XA3032	Novasep	n/a	n/a
Applexion XA3051	Novasep	n/a	n/a
Applexion XA3112	Novasep	n/a	n/a
DIAION AMP03	Mitsubishi	MP Styrenic	quat. amine and carboxyl
DIAION HPA512L	Mitsubishi	n/a	trimethylammonium
Indion 930A	Mitsubishi	crosslinked polyacrylic	quat. amine
Relizyme EA403/S **	Mitsubishi	methacrylic	ethylamino
Relizyme HA112/S **	Mitsubishi	methacrylic	hexamethylamino
Relizyme EA113/S **	Mitsubishi	methacrylic	ethylamino
Relizyme EA112/S **	Mitsubishi	methacrylic	ethylamino
Relizyme HA113/S **	Mitsubishi	methacrylic	hexamethylamino
Relizyme HA403/S **	Mitsubishi	methacrylic	hexamethylamino
Relite MG1/P	Mitsubishi	MP Acrylic	polyamine
DIAION CR20	Mitsubishi	MP Styrenic	polyamine
Relite RAM2	Mitsubishi	Gel acrylic	tertiary amine
DIAION WA30 **	Mitsubishi	MP Styrenic	tert. / quat. amine
Indion 850	Mitsubishi	styrene DVB	tert. / quat. amine
Indion PFA 800	Mitsubishi	MP Styrenic	tertiary amine

Sepabeads FPPE01 **	Mitsubishi	Polymethacrylate	Polyethyleneimine (PEI)
HG403/M **	Mitsubishi	polymethacrylate	diol
Indion PFA 800	Mitsubishi	styrene DVB	aromatic
DIAION HP2MGL	Mitsubishi	polymethacrylate	methyl
RB1/M	Mitsubishi	polymethacrylate	n/a
BU403/M	Mitsubishi	polymethacrylate	butyl
Relizyme IDA112/S	Mitsubishi	methacrylic	iminodiacetic acid
Relizyme IDA113/S	Mitsubishi	methacrylic	iminodiacetic acid
Relizyme IDA403/S	Mitsubishi	methacrylic	iminodiacetic acid
IDA400	Mitsubishi	methacrylic	iminodiacetic acid
DIAION CR11	Mitsubishi	MP Styrenic	iminodiacetic acid
Indion SIR	Mitsubishi	styrene DVB	iminodiacetic acid
Accuspheres PEI **	Saint-Gobain Norpro	silica	polyethyleneimine
Accuspheres 2749 **	Saint-Gobain	silica	branched polyamine
Accuspheres 2949 **	Saint-Gobain	silica	branched polyamine
Seplite MA939	Sunresins	acrylic polymer	n/a
Seplife EMC7120S	Sunresins	amino acrylate	hexamethylamino
Seplife EMC7225S **	Sunresins	amino acrylate	ethylamino
Seplife EMC7435 **	Sunresins	styrene/DVB	quaternary amine
Seplife EMC7528	Sunresins	octadecyl acrylate	C18
Seplife EMC1020	Sunresins	styrene DVB	none
Seplife EMC1040	Sunresins	divinyl benzene	none
Seplife Chelex 7350	Sunresins	acrylate	iminodiacetic acid

** These carriers are recommended for covalent crosslinking during immobilization. Additional (epoxy chemistry based) covalent carriers can be added to the inventory as needed.