

Ordering Information: SkillPak 1 columns

Part #	Description	Resin volume (ea.)	Column dimensions
mAb Affinity Chromatography			
0045200	SkillPak 1 TOYOPEARL AF-rProtein L-650F	1 mL	0.7 cm ID × 2.5 cm
0045221	SkillPak 1 TOYOPEARL AF-rProtein L-650F (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045201	SkillPak 1 TOYOPEARL AF-rProtein A HC-650F	1 mL	0.7 cm ID × 2.5 cm
0045222	SkillPak 1 TOYOPEARL AF-rProtein A HC-650F (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
Affinity Chromatography			
0045202	SkillPak 1 TOYOPEARL AF-Chelate-650M	1 mL	0.7 cm ID × 2.5 cm
Ion Exchange Chromatography			
0045274	SkillPak 1 TOYOPEARL GigaCap Q-650S (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045203	SkillPak 1 TOYOPEARL GigaCap Q-650M (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045204	SkillPak 1 TOYOPEARL GigaCap S-650S (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045275	SkillPak 1 TOYOPEARL GigaCap S-650M (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045205	SkillPak 1 TOYOPEARL Sulfate-650F (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045206	SkillPak 1 TOYOPEARL SuperQ-650Ss (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045282	SkillPak 1 TOYOPEARL SuperQ-650M (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045207	SkillPak 1 TSKgel SP-5PW (20) (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045208	SkillPak 1 TSKgel SuperQ-5PW (20) (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045209	SkillPak 1 TOYOPEARL NH ₂ -750F (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045210	SkillPak 1 TOYOPEARL GigaCap DEAE-650M (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045211	SkillPak 1 TOYOPEARL GigaCap CM-650M (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045212	SkillPak 1 TOYOPEARL QAE-550C (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045213	SkillPak 1 TOYOPEARL SP-550C (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045280	SkillPak 1 TOYOPEARL SP-650C (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045281	SkillPak 1 TOYOPEARL SP-650M (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045268	SkillPak 1 TOYOPEARL CM-650C (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045269	SkillPak 1 TOYOPEARL CM-650M (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045270	SkillPak 1 TOYOPEARL CM-650S (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045271	SkillPak 1 TOYOPEARL DEAE-650C (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045272	SkillPak 1 TOYOPEARL DEAE-650M (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045273	SkillPak 1 TOYOPEARL DEAE-650S (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045277	SkillPak 1 TOYOPEARL MegaCap II SP-550EC (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
Hydrophobic Interaction Chromatography			
0045214	SkillPak 1 TOYOPEARL Butyl-600M (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045215	SkillPak 1 TOYOPEARL Butyl-650M (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045267	SkillPak 1 TOYOPEARL Butyl-650C (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045216	SkillPak 1 TOYOPEARL Phenyl-600M (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045279	SkillPak 1 TOYOPEARL Phenyl-650S (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045217	SkillPak 1 TOYOPEARL Phenyl-650M (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045278	SkillPak 1 TOYOPEARL Phenyl-650C (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045218	SkillPak 1 TOYOPEARL PPG-600M (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045219	SkillPak 1 TOYOPEARL Hexyl-650C (qty. 5)	1 mL	0.7 cm ID × 2.5 cm
0045220	SkillPak 1 TOYOPEARL Ether-650M (qty. 5)	1 mL	0.7 cm ID × 2.5 cm

Ordering Information: SkillPak 1 columns, continued

Part #	Description	Resin volume (ea.)	Column dimensions
Mixed-Mode Chromatography			
0045224	SkillPak 1 TOYOPEARL MX-Trp-650M (qty. 5)	1 mL	0.7 cm ID x 2.5 cm
Size Exclusion Chromatography			
0045276	SkillPak 1 TOYOPEARL HW-40C (qty. 5)	1 mL	0.7 cm ID x 2.5 cm
0045223	SkillPak 1 TOYOPEARL HW-40F (qty. 5)	1 mL	0.7 cm ID x 2.5 cm
HA Chromatography			
0045225	SkillPak 1 Ca ⁺⁺ Pure-HA	1 mL	0.7 cm ID x 2.5 cm
Column Libraries			
0045226	SkillPak 1 Anion Exchange column library, (TOYOPEARL GigaCap Q-650M, GigaCap DEAE-650M, NH ₂ -750F)	1 mL x 2 ea	0.7 cm ID x 2.5 cm
0045227	SkillPak 1 Cation Exchange column library, (TOYOPEARL GigaCap S-650S, GigaCap CM-650M, Sulfate-650F)	1 mL x 2 ea	0.7 cm ID x 2.5 cm
0045228	SkillPak 1 Antibody column library, (TOYOPEARL AF-rProtein A HC-650F, AF-rProtein L-650F, NH ₂ -750F, Sulfate-650F, GigaCap Q-650M, GigaCap S-650S)	1 mL ea	0.7 cm ID x 2.5 cm
0045229	SkillPak 1 mAb Platform column library, (TOYOPEARL AF-rProtein A HC-650F, Sulfate-650F, NH ₂ -750F)	1 mL x 2 ea	0.7 cm ID x 2.5 cm
0045230	SkillPak 1 Salt Tolerant column library, (TOYOPEARL Sulfate-650F, NH ₂ -750F)	1 mL x 3 ea	0.7 cm ID x 2.5 cm
0045231	SkillPak 1 Mixed Mode column library, (Ca ⁺⁺ Pure-HA, TOYOPEARL MX-Trp-650M)	1 mL x 3 ea	0.7 cm ID x 2.5 cm
0045232	SkillPak 1 Best-in-Class column library, (Ca ⁺⁺ Pure-HA, TOYOPEARL AF-rProtein A HC-650F, AF-rProtein L-650F, NH ₂ -750F, Sulfate-650F)	1 mL ea	0.7 cm ID x 2.5 cm
0045233	SkillPak 1 HIC column library, (TOYOPEARL Butyl-650M, Phenyl-650M, PPG-600M, Hexyl-650C, Ether-650M)	1 mL ea	0.7 cm ID x 2.5 cm
0045234	SkillPak 1 HIC column library, (TOYOPEARL Butyl-600M, Phenyl-600M, PPG-600M, Hexyl-650C, Ether-650M)	1 mL ea	0.7 cm ID x 2.5 cm
0045235	SkillPak 1 HIC column library, (TOYOPEARL Butyl-650M, Phenyl-650M, PPG-600M)	1 mL x 2 ea	0.7 cm ID x 2.5 cm
0045236	SkillPak 1 HIC column library, (TOYOPEARL Butyl-600M, Phenyl-600M, PPG-600M)	1 mL x 2 ea	0.7 cm ID x 2.5 cm
0045237	SkillPak 1 HIC column library, (TOYOPEARL Phenyl-650M, PPG-600M, Hexyl-650C)	1 mL x 2 ea	0.7 cm ID x 2.5 cm
0045238	SkillPak 1 HIC column library, (TOYOPEARL Phenyl-600M, PPG-600M, Hexyl-650C)	1 mL x 2 ea	0.7 cm ID x 2.5 cm

Ordering Information: SkillPak 5 columns

Part #	Description	Resin volume (ea.)	Column dimensions
mAb Affinity Chromatography			
0045257	SkillPak 5 TOYOPEARL AF-rProtein L-650F	5 mL	0.8 cm ID × 10 cm
0045258	SkillPak 5 TOYOPEARL AF-rProtein A HC-650F	5 mL	0.8 cm ID × 10 cm
Affinity Chromatography			
0045259	SkillPak 5 TOYOPEARL AF-Chelate-650M	5 mL	0.8 cm ID × 10 cm
Ion Exchange Chromatography			
0045290	SkillPak 5 TOYOPEARL GigaCap Q-650S	5 mL	0.8 cm ID × 10 cm
0045239	SkillPak 5 TOYOPEARL GigaCap Q-650M	5 mL	0.8 cm ID × 10 cm
0045240	SkillPak 5 TOYOPEARL GigaCap S-650S	5 mL	0.8 cm ID × 10 cm
0045291	SkillPak 5 TOYOPEARL GigaCap S-650M	5 mL	0.8 cm ID × 10 cm
0045241	SkillPak 5 TOYOPEARL Sulfate-650F	5 mL	0.8 cm ID × 10 cm
0045242	SkillPak 5 TOYOPEARL SuperQ-650S	5 mL	0.8 cm ID × 10 cm
0045298	SkillPak 5 TOYOPEARL SuperQ-650M	5 mL	0.8 cm ID × 10 cm
0045243	SkillPak 5 TSKgel SP-5PW (20)	5 mL	0.8 cm ID × 10 cm
0045244	SkillPak 5 TSKgel SuperQ-5PW (20)	5 mL	0.8 cm ID × 10 cm
0045245	SkillPak 5 TOYOPEARL NH ₂ -750F	5 mL	0.8 cm ID × 10 cm
0045246	SkillPak 5 TOYOPEARL GigaCap DEAE-650M	5 mL	0.8 cm ID × 10 cm
0045247	SkillPak 5 TOYOPEARL GigaCap CM-650M	5 mL	0.8 cm ID × 10 cm
0045248	SkillPak 5 TOYOPEARL QAE-550C	5 mL	0.8 cm ID × 10 cm
0045249	SkillPak 5 TOYOPEARL SP-550C	5 mL	0.8 cm ID × 10 cm
0045296	SkillPak 5 TOYOPEARL SP-650C	5 mL	0.8 cm ID × 10 cm
0045297	SkillPak 5 TOYOPEARL SP-650M	5 mL	0.8 cm ID × 10 cm
0045284	SkillPak 5 TOYOPEARL CM-650C	5 mL	0.8 cm ID × 10 cm
0045285	SkillPak 5 TOYOPEARL CM-650M	5 mL	0.8 cm ID × 10 cm
0045286	SkillPak 5 TOYOPEARL CM-650S	5 mL	0.8 cm ID × 10 cm
0045287	SkillPak 5 TOYOPEARL DEAE-650C	5 mL	0.8 cm ID × 10 cm
0045288	SkillPak 5 TOYOPEARL DEAE-650M	5 mL	0.8 cm ID × 10 cm
0045289	SkillPak 5 TOYOPEARL DEAE-650S	5 mL	0.8 cm ID × 10 cm
0045293	SkillPak 5 TOYOPEARL MegaCap II SP-550EC	5 mL	0.8 cm ID × 10 cm
Hydrophobic Interaction Chromatography			
0045250	SkillPak 5 TOYOPEARL Butyl-600M	5 mL	0.8 cm ID × 10 cm
0045251	SkillPak 5 TOYOPEARL Butyl-650M	5 mL	0.8 cm ID × 10 cm
0045283	SkillPak 5 TOYOPEARL Butyl-650C	5 mL	0.8 cm ID × 10 cm
0045252	SkillPak 5 TOYOPEARL Phenyl-600M	5 mL	0.8 cm ID × 10 cm
0045294	SkillPak 5 TOYOPEARL Phenyl-650C	5 mL	0.8 cm ID × 10 cm
0045253	SkillPak 5 TOYOPEARL Phenyl-650M	5 mL	0.8 cm ID × 10 cm
0045295	SkillPak 5 TOYOPEARL Phenyl-650S	5 mL	0.8 cm ID × 10 cm
0045254	SkillPak 5 TOYOPEARL PPG-600M	5 mL	0.8 cm ID × 10 cm
0045255	SkillPak 5 TOYOPEARL Hexyl-650C	5 mL	0.8 cm ID × 10 cm
0045256	SkillPak 5 TOYOPEARL Ether-650M	5 mL	0.8 cm ID × 10 cm
0045296	SkillPak 5 TOYOPEARL SP-650C	5 mL	0.8 cm ID × 10 cm
0045297	SkillPak 5 TOYOPEARL SP-650M	5 mL	0.8 cm ID × 10 cm

Ordering Information: SkillPak 5 columns, continued

Part #	Description	Resin volume (ea.)	Column dimensions
Mixed-Mode Chromatography			
0045261	SkillPak 5 TOYOPEARL MX-Trp-650M	5 mL	0.8 cm ID × 10 cm
Size Exclusion Chromatography			
0045292	SkillPak 5 TOYOPEARL HW-40C	5 mL	0.8 cm ID × 10 cm
0045260	SkillPak 5 TOYOPEARL HW-40F	5 mL	0.8 cm ID × 10 cm
HA Chromatography			
0045262	SkillPak 5 Ca ⁺⁺ Pure-HA	5 mL	0.8 cm ID × 10 cm
Column Libraries			
0045263	SkillPak 5 mAb Platform column library, (TOYOPEARL AF-rProtein A HC-650F, Sulfate-650F, NH ₂ -750F)	5 mL × 1 ea	0.8 cm ID × 10 cm
0045264	SkillPak 5 Salt Tolerant column library, (TOYOPEARL Sulfate-650F, NH ₂ -750F)	5 mL × 1 ea	0.8 cm ID × 10 cm
0045265	SkillPak 5 Mixed Mode column library, (Ca ⁺⁺ Pure-HA, TOYOPEARL MX-Trp-650M)	5 mL × 1 ea	0.8 cm ID × 10 cm
0045266	SkillPak 5 Best-in-Class column library, (Ca ⁺⁺ Pure-HA, TOYOPEARL AF-rProtein A HC-650F, AF-rProtein L-650F, NH ₂ -750F, Sulfate-650F)	5 mL × 1 ea	0.8 cm ID × 10 cm

Ordering Information: Skill Pak 1 BIO columns optimized for MCC

Part #	Description	Resin volume (ea.)	Column dimensions
mAb Affinity Chromatography			
0045346	SkillPak 1 BIO AF-rProtein A HC-650F, x6	1 mL	0.8 cm ID × 2.0 cm
0045347	SkillPak 1 BIO AF-rProtein A HC-650F, x10	1 mL	0.8 cm ID × 2.0 cm
0045358	SkillPak 1 BIO AF-rProtein L-650F, x6	1 mL	0.8 cm ID × 2.0 cm
0045359	SkillPak 1 BIO AF-rProtein L-650F, x10	1 mL	0.8 cm ID × 2.0 cm
Ion Exchange Chromatography			
0045370	SkillPak 1 BIO Sulfate-650F, x4	1 mL	0.8 cm ID × 2.0 cm
0045377	SkillPak 1 BIO GigaCap S-650M, x6	1 mL	0.8 cm ID × 2.0 cm
0045384	SkillPak 1 BIO NH ₂ -750F, x4	1 mL	0.8 cm ID × 2.0 cm
0045391	SkillPak 1 BIO SuperQ-650S, x4	1 mL	0.8 cm ID × 2.0 cm

Ordering Information: SkillPak 5 BIO columns optimized for MCC

Part #	Description	Resin volume (ea.)	Column dimensions
mAb Affinity Chromatography			
0045348	SkillPak 5 BIO AF-rProtein A HC-650F, x6	5 mL	1.6 cm ID × 2.5 cm
0045349	SkillPak 5 BIO AF-rProtein A HC-650F, x10	5 mL	1.6 cm ID × 2.5 cm
0045360	SkillPak 5 BIO AF-rProtein L-650F, x6	5 mL	1.6 cm ID × 2.5 cm
0045361	SkillPak 5 BIO AF-rProtein L-650F, x10	5 mL	1.6 cm ID × 2.5 cm
Ion Exchange Chromatography			
0045371	SkillPak 5 BIO Sulfate-650F, x4	5 mL	1.6 cm ID × 2.5 cm
0045378	SkillPak 5 BIO GigaCap S-650M, x4	5 mL	1.6 cm ID × 2.5 cm
0045385	SkillPak 5 BIO NH ₂ -750F, x4	5 mL	1.6 cm ID × 2.5 cm
0045392	SkillPak 5 BIO SuperQ-650S, x4	5 mL	1.6 cm ID × 2.5 cm