Monoclonal antibodies

Thermo Fisher SCIENTIFIC

Single-use product selection guide

Solutions for monoclonal antibody (mAb) processes up to 2,000 L

Use this standard product selection guide to view recommended products that are used across multiple unit operations for a mAb manufacturing process up to 2,000 L. These standard offerings will help enable supply chain optimization potential to your process. The color coding system provides a tiered recommendation structure across the entire workflow. Products that do not have color indications are better suited for smaller volume processes, but are listed here to provide a full offering of recommendations.

X Primary use   Y Secondary use   Z Tertiary use   W Optional use

Description	Cat. No.	Media and buffer preparation mixers														Seed bioreactors										Production bioreactors		Downstream unit operations							
		imPULSE S.U.M.s								HyPerforma S.U.M.s						10 L Rocker Bioreactor			20 L Rocker Bioreactor			50 L Rocker Bioreactor		HyPerforma DynaDrive S.U.B.		HyPerforma DynaDrive S.U.B.		Harvest	Chrom 1	Viral inactivation	Chrom 2	Chrom 3	Viral filtration	UF/DF	Bulk fill
		30 L	100 L	250 L	500 L	1,000 L	2,000 L	3,000 L	5,000 L	50 L	100 L	200 L	500 L	1,000 L	2,000 L	Media fill	Inoculation	Harvest	Media fill	Inoculation	Harvest	Media fill	Inoculation	50 L	500 L	3,000 L	5,000 L								
1. HyPerforma Single-Use Mixers (S.U.M.s)																																				
50 L S.U.M. hardware, jacketed	SUM0050.9002									X																										
100 L S.U.M. hardware, jacketed	SUM0100.9002										X																									
200 L S.U.M. hardware, jacketed	SUM0200.9002											X																								
500 L S.U.M. hardware, jacketed	SUM0500.9002												X																							
1,000 L S.U.M. hardware, jacketed	SUM1000.9002													X																						
2,000 L S.U.M. hardware, jacketed	SUM2000.9004														X																					
50 L S.U.M. Bioprocess Container (BPC), Aegis5-14 film, with ports	SH31343.01									X																										
50 L S.U.M. BPC, Aegis5-14 film, without ports	SH31344.01									X																										
100 L S.U.M. BPC, Aegis5-14 film, with ports	SH31345.01										X																									
100 L S.U.M. BPC, Aegis5-14 film, without ports	SH31346.01										X																									
200 L S.U.M. BPC, Aegis5-14 film, with ports	SH31347.01											X																					X	X
200 L S.U.M. BPC, Aegis5-14 film, without ports	SH31348.01											X																								
500 L S.U.M. BPC, Aegis5-14 film, with ports	SH31349.01												X															Y		Y	Y			
500 L S.U.M. BPC, Aegis5-14 film, without ports	SH31350.01												X																							
1,000 L S.U.M. BPC, Aegis5-14 film, with ports	SH31351.01													X														X	X	X	X	X		
1,000 L S.U.M. BPC, Aegis5-14 film, without ports	SH31352.01													X																						
2,000 L S.U.M. BPC, Aegis5-14 film, with ports	SH31353.01														X																					
2,000 L S.U.M. BPC, Aegis5-14 film, without ports	SH31354.01														X																					
2. imPULSE Single-Use Mixers (S.U.M.s)																																				
100 L S.U.M. hardware	IM00100.9002	X																																		
250 L S.U.M. hardware	IM00250.9003			X																																
500 L S.U.M. hardware	IM00500.9004				X																															
1,000 L S.U.M. hardware	IM01000.9005					X																														
2,000 L S.U.M. hardware	IM02000.9006						X																													
3,000 L S.U.M. hardware	IM03000.9007							X																												
5,000 L S.U.M. hardware	IM05000.9008								X																											
100 L S.U.M. BPC, ASI 26/77 film, with ports	SH31358		X																																	
100 L S.U.M. BPC, ASI 26/77 film, without ports	SH31357		X																																	
250 L S.U.M. BPC, ASI 26/77 film, with ports	SH31360			X																																
250 L S.U.M. BPC, ASI 26/77 film, without ports	SH31359			X																																
500 L S.U.M. BPC, ASI 26/77 film, with ports	SH31362				X																							Y		Y	Y			
500 L S.U.M. BPC, ASI 26/77 film, without ports	SH31361				X																															
1,000 L S.U.M. BPC, ASI 26/77 film, with ports	SH31364					X																						X	X	X	X	X		
1,000 L S.U.M. BPC, ASI 26/77 film, without ports	SH31363					X																														
2,000 L S.U.M. BPC, ASI 26/77 film, with ports	SH31366						X																													
2,000 L S.U.M. BPC, ASI 26/77 film, without ports	SH31365						X																													
3,000 L S.U.M. BPC, ASI 26/77 film, with ports	SH31368							X																												
3,000 L S.U.M. BPC, ASI 26/77 film, without ports	SH31367							X																												
5,000 L S.U.M. BPC, ASI 26/77 film, with ports	SH31370								X																											
5,000 L S.U.M. BPC, ASI 26/77 film, without ports	SH31369								X																											
3. HyPerforma Smartainer 3.0 Storage Systems																																				
200 L 3.0 Storage System, jacketed	SBN0200.7002		X	X								X																								
500 L 3.0 Storage System, jacketed	SBN0500.7002			X	X																															
1,000 L 3.0 Storage System, jacketed	SBN1000.7002					X							X	X																						
1,500 L 3.0 Storage System, jacketed	SBN1500.7002					X							X	X																						
2,000 L 3.0 Storage System, jacketed	SBN2000.7002						X								X																					
2,500 L 3.0 Storage System, jacketed	SBN2500.7002						X	X							X																					
3,000 L 3.0 Storage System, jacketed	SBN3000.7002							X																												
200 L 3.0 Storage System BPC, Aegis5-14 film	SH31188.01								X																											
500 L 3.0 Storage System BPC, Aegis5-14 film	SH31188.03		X	X								X																								
1,000 L 3.0 Storage System BPC, Aegis5-14 film	SH31188.04			X	X																															
1,500 L 3.0 Storage System BPC, Aegis5-14 film	SH31188.05					X							X	X																						
2,000 L 3.0 Storage System BPC, Aegis5-14 film	SH31188.06					X							X	X																						
2,500 L 3.0 Storage System BPC, Aegis5-14 film	SH31188.07						X								X																					
3,000 L 3.0 Storage System BPC, Aegis5-14 film	SH31188.08						X	X	X							X																					
4. HyPerforma DynaDrive Single-Use Bioreactors (S.U.B.s)																																				
50 L S.U.B., 240 V	DDB0050.1021																							X												
500 L S.U.B., 240 V	DDB0500.1021																								X											
3,000 L S.U.B., 240 V	DDB3000.1021																									X										
5,000 L S.U.B., 240 V	DDB5000.1021																										X									
50 L S.U.B. BPC, Aegis5-14 film	SH31192.01																							X												
50 L S.U.B. BPC with ATF port, Aegis5-14 film	SH31192.02																							X												
500 L S.U.B. BPC, Aegis5-14 film	SH31193.01																								X											
3,000 L S.U.B. BPC, Aegis5-14 film	SH31196.01																									X										
5,000 L S.U.B. BPC, Aegis5-14 film	SH31195.01																										X									
5. HyPerforma GXCore Bioprocess Controller																																				
GXCore Bioprocess Controller	F100-7000-000															X	X	X																		
Gas Mass Flow Controller (MFC) for GXCore Bioprocess Controller	F100-7001-100															X	X	X																		
6. HyPerforma G3Lite Bioprocess Controller																																				
Standard catalog numbers are not currently available for this product. Please speak to your sales representative to determine the ideal type of G3Lite Bioprocess Controller and its associated accessories for your operations. Learn more at thermofisher.com/bioprocesscontrollers																																				
7. HyPerforma G3Pro Bioprocess Controller																																				
Standard catalog numbers are not currently available for this product. Please speak to your sales representative to determine the ideal type of G3Pro Bioprocess Controller and its associated accessories for your operations. Learn more at thermofisher.com/bioprocesscontrollers																																				
8. HyPeak Single-Use Chromatography System																																				
Chromatography System	F100-3500-000																											X		X	X			
1/4 in. Chromatography System Single-Use Fluid Transfer Assembly Set	F100-3600-001																											X		X	X			
3/4 in. Chromatography System Single-Use Fluid Transfer Assembly Set	F100-3600-004																											X		X	X			
9. HyPerforma Rocker Bioreactor																																				
Rocker Bioreactor, with load cells	F100-2683-001															X	X	X	X	X	X	X	X												
10 L Rocker Bioreactor BPC, Aegis5-14 film	SH31371.01															X	X	X																		
20 L Rocker Bioreactor BPC, Aegis5-14 film	SH31372.02																		X	X	X															
50 L Rocker Bioreactor BPC, Aegis5-14 film	SH31373.03																					X	X													
10. TruBio Bioprocess Automation Software																																				
Standard Cat. No.s are not currently available for this product. Please speak to your sales representative to determine the ideal TruBio automation software package for your operations. Learn more at thermofisher.com/automationsoftware																																				
11. CO_2 incubator																																				
821 L Large-capacity, reach-in, polished stainless steel	3951																X			X			X	X												
12. Biological Safety Cabinet																																				
HeraSafe 2030i NSF-CTS series, 6 ft	51033763	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13. Bioprocess resins for pre-packed columns																																				
We offer a suite of scalable and robust purification solutions designed for your process. Please speak to your sales representative to learn more.																																				
14. Labtainer Pro BPCs																																				
There are a variety of standard Labtainer Pro BPCs available. Please speak to your sales representative to determine the ideal configuration for your operations. Learn more at thermofisher.com/labtainerpro																																				
10 L BPC, Aegis5-14 film, 3 ports, AseptiQuik G connector, body luer lock, and body needleless luer lock	PL30025.13	X								X	X																								
10 L BPC, Aegis5-14 film, 3 ports, AseptiQuik G connectors and body needleless luer lock	PL30024.13	X	X	X	X	X	X	X	X	X	X	X	X	X	X																				
15. Powdertainer BPCs																																				
25 kg BPC, 3 in. tri-clamp powder port	SH3086403	X	X	X	X	X	X	X	X	X	X	X	X	X	X																				
25 kg BPC, 3 in. tri-clamp powder port, MPX insert wash-down line, silicone tubing	SH3073703	X	X	X	X	X	X	X	X	X	X	X	X	X	X																				
16. Transfer Assembly Adapters																																				
3/8 in. ID TPE, MPC body and AseptiQuik G connector	SH31231.01																																			
3/8 in. ID silicone, MPC body and AseptiQuik G connector	SH31421.01																																			
3/8 in. ID braided silicone, MPC body and AseptiQuik G connector	SH31432.01																																			
3/8–1/2 in. ID TPE, MPC insert, and MPX insert	SH31322.01	X								X	X																								
3/8 in. ID TPE, MPC insert	SH31236.01																																			
3/8 in. ID silicone MPC insert	SH31427.01																																			
3/8 in. ID braided silicone MPC insert	SH31439.01																																			
3/8–1/2 in. ID TPE, MPC insert and MPX insert	SH31322.01																																			
3/8–1/2 in. ID silicone, MPC insert and MPX insert	SH31424.01																																			
3/8–1/2 in. ID braided silicone, MPC insert and MPX insert	SH31435.01																																			
1/2 in. ID TPE, 1 1/2 tri-clamp and MPX insert	SH31233.01																																			
1/2 in. ID silicone, 1 1/2 tri-clamp and MPX insert	SH31243.01																																			
1/2 in. ID braided silicone, 1 1/2 tri-clamp and MPX insert	SH31430.01																																			
1/2 in. ID TPE, AseptiQuik G connector, and MPX body	SH31237.01			X	X						X																								
1/2 in. ID silicone, AseptiQuik G connector, and MPX body	SH31241.01			Y	Y						Y																								
1/2 in. ID braided silicone, AseptiQuik G connector, and MPX body	SH31444.01			Z	Z						Z																								
1/2 in. ID TPE, MPX body, and 3/4 tri-clamp	SH31234.01																																			
1/2 in. ID silicone, MPX body, and 3/4 tri-clamp	SH31425.01																																			
1/2 in. ID braided silicone, MPX body, and 3/4 tri-clamp	SH31436.01																																			
1/2 in. ID TPE, MPX insert, and 3/4 tri-clamp	SH31238.01																																			
1/2 in. ID silicone, MPX insert, and 3/4 tri-clamp	SH31426.01																																			
1/2 in. ID braided silicone, MPX insert, and 3/4 tri-clamp	SH31438.01																																			
3/4–1/2 in. ID TPE, AseptiQuik L connector, and MPX body	SH31232.01																																			
3/4–1/2 in. ID silicone, AseptiQuik L connector, and MPX body	SH31423.01																																			
3/4–1/2 in. ID braided silicone, AseptiQuik L connector, and MPX body	SH31434.01																																			
3/4 in. ID TPE, 3/4 tri-clamp, and AseptiQuik G connector	SH31235.01																																			X
3/4 in. ID silicone, 3/4 tri-clamp, and AseptiQuik G connector	SH31420.01																																			Y
3/4 in. ID braided silicone, 3/4 tri-clamp, and AseptiQuik G connector	SH31431.01																																			Z
3/4 in. ID TPE, MPU insert, and AseptiQuik G connector	SH31316.01					X							X	X																						
3/4 in. ID silicone, MPU insert, and AseptiQuik G connector	SH31422.01					Y							Y	Y																						
3/4 in. ID braided silicone, MPU insert, and AseptiQuik G connector	SH31433.01					Z							Z	Z																						
3/4 in. ID TPE, AseptiQuik L connector, and MPU body	SH31239.01																																			
3/4 in. ID silicone, AseptiQuik L connector, and MPU body	SH31429.01																																			
3/4 in. ID braided silicone, AseptiQuik L connector, and MPU body	SH31448.01																																			
1–3/4 in. ID braided silicone, AseptiQuik L and G connectors	SH31442.01																																			
1 in. ID TPE, AseptiQuik L and G connectors	SH31375.01																																			
1 in. ID silicone, AseptiQuik L and G connectors	SH31428.01																																			
1 in. ID TPE, AseptiQuik L connector, and MPU body	SH31309.11						X	X	X						X																					
1 in. ID silicone, AseptiQuik L connector, and MPU body	SH31226.01						Y	Y	Y						Y																					
1 in. ID braided silicone, AseptiQuik L connector, and MPU body	SH31446.01						Z	Z	Z						Z																					
1 in. ID TPE, 1 1/2 tri-clamp and MPU insert	SH31240.01																																			
1 in. ID silicone, 1 1/2 tri-clamp and MPU insert	SH31228.01																																			
1 in. ID braided silicone, 1 1/2 tri-clamp and MPU insert	SH31440.01																																			
1 in. ID TPE, MPU insert, and AseptiQuik L connector	SH31229.01																																			
1 in. ID silicone, MPU insert, and AseptiQuik L connector	SH31242.01																																			
1 in. ID braided silicone, MPU insert, and AseptiQuik L connector	SH31447.01																																			
17. Transfer Assembly Jumper Tubing																																				
5 ft, 1/8 in. ID TPE, AseptiQuik S connectors	SH31198.01																																			
10 ft, 1/8 in. ID TPE, AseptiQuik S connectors	SH31198.02																																			
15 ft, 1/8 in. ID TPE, AseptiQuik S connectors	SH31198.03																																			
5 ft, 1/8 in. ID silicone, AseptiQuik S connectors	SH31379.01																																			
10 ft, 1/8 in. ID silicone, AseptiQuik S connectors	SH31379.02																																			
15 ft, 1/8 in. ID silicone, AseptiQuik S connectors	SH31379.03																																			
5 ft, 1/4 in. ID TPE, AseptiQuik S connectors	SH31198.11																																			
10 ft, 1/4 in. ID TPE, AseptiQuik S connectors	SH31198.12																																			
15 ft, 1/4 in. ID TPE, AseptiQuik S connectors	SH31198.13																																			
5 ft, 1/4 in. ID silicone, AseptiQuik S connectors	SH31379.11																																			
10 ft, 1/4 in. ID silicone, AseptiQuik S connectors	SH31379.12																																			
15 ft, 1/4 in. ID silicone, AseptiQuik S connectors	SH31379.13																																			
5 ft, 1/4 in. ID braided silicone, AseptiQuik S connectors	SH31391.11																																			
10 ft, 1/4 in. ID braided silicone, AseptiQuik S connectors	SH31391.12																																			
15 ft, 1/4 in. ID braided silicone, AseptiQuik S connectors	SH31391.13																																			
5 ft, 3/8 in. ID TPE, AseptiQuik S connectors	SH31198.21																																			
10 ft, 3/8 in. ID TPE, AseptiQuik S connectors	SH31198.22																																			
15 ft, 3/8 in. ID TPE, AseptiQuik S connectors	SH31198.23																																			
5 ft, 3/8 in. ID silicone, AseptiQuik S connectors	SH31379.21																																			
10 ft, 3/8 in. ID silicone, AseptiQuik S connectors	SH31379.22																																			
15 ft, 3/8 in. ID silicone, AseptiQuik S connectors	SH31379.23																																			
5 ft, 3/8 in. ID braided silicone, AseptiQuik S connectors	SH31391.21																																			
10 ft, 3/8 in. ID braided silicone, AseptiQuik S connectors	SH31391.22																																			
15 ft, 3/8 in. ID braided silicone, AseptiQuik S connectors	SH31391.23																																			
5 ft, 1/4 in. ID TPE, AseptiQuik G connectors	SH31319.01															X	X							X													
10 ft, 1/4 in. ID TPE, AseptiQuik G connectors	SH31319.02															X	X							X													
15 ft, 1/4 in. ID TPE, AseptiQuik G connectors	SH31319.03															X	X							X													
5 ft, 1/4 in. ID silicone, AseptiQuik G connectors	SH31197.01															Y	Y							Y													
10 ft, 1/4 in. ID silicone, AseptiQuik G connectors	SH31197.02															Y	Y							Y													
15 ft, 1/4 in. ID silicone, AseptiQuik G connectors	SH31197.03															Y	Y							Y													
5 ft, 1/4 in. ID braided silicone, AseptiQuik G connectors	SH31389.01															Z	Z							Z													
10 ft, 1/4 in. ID braided silicone, AseptiQuik G connectors	SH31389.02															Z	Z							Z													
15 ft, 1/4 in. ID braided silicone, AseptiQuik G connectors	SH31389.03															Z	Z							Z													
5 ft, 3/8 in. ID TPE, AseptiQuik G connectors	SH31319.11	X	X							X	X							X		X				X													
10 ft, 3/8 in. ID TPE, AseptiQuik G connectors	SH31319.12	X	X							X	X							X		X				X													
15 ft, 3/8 in. ID TPE, AseptiQuik G connectors	SH31319.13	X	X							X	X							X		X				X													
5 ft, 3/8 in. ID silicone, AseptiQuik G connectors	SH31197.11	Y	Y							Y	Y							Y	Y	Y				Y													
10 ft, 3/8 in. ID silicone, AseptiQuik G connectors	SH31197.12	Y	Y							Y	Y							Y	Y	Y				Y													
15 ft, 3/8 in. ID silicone, AseptiQuik G connectors	SH31197.13	Y	Y							Y	Y							Y	Y	Y				Y													
5 ft, 3/8 in. ID braided silicone, AseptiQuik G connectors	SH31389.11	Z	Z							Z	Z							Z	Z	Z				Z													
10 ft, 3/8 in. ID braided silicone, AseptiQuik G connectors	SH31389.12	Z	Z							Z	Z							Z	Z	Z				Z													
15 ft, 3/8 in. ID braided silicone, AseptiQuik G connectors	SH31389.13	Z	Z							Z	Z							Z	Z	Z				Z													
5 ft, 1/2 in. ID TPE, AseptiQuik G connectors	SH31319.21			X	X						X									X	X	X	X	X												
10 ft, 1/2 in. ID TPE, AseptiQuik G connectors	SH31319.22			X	X						X									X	X	X	X	X												
15 ft, 1/2 in. ID TPE, AseptiQuik G connectors	SH31319.23			X	X						X									X	X	X	X	X												
5 ft, 1/2 in. ID silicone, AseptiQuik G connectors	SH31197.21			Y	Y						Y									Y	Y	Y	Y	Y												
10 ft, 1/2 in. ID silicone, AseptiQuik G connectors	SH31197.22			Y	Y						Y									Y	Y	Y	Y	Y												
15 ft, 1/2 in. ID silicone, AseptiQuik G connectors	SH31197.23			Y	Y						Y									Y	Y	Y	Y	Y												
5 ft, 1/2 in. ID braided silicone, AseptiQuik G connectors	SH31389.21			Z	Z						Z									Z	Z	Z	Z	Z												
10 ft, 1/2 in. ID braided silicone, AseptiQuik G connectors	SH31389.22			Z	Z						Z									Z	Z	Z	Z	Z												
15 ft, 1/2 in. ID braided silicone, AseptiQuik G connectors	SH31389.23			Z	Z						Z									Z	Z	Z	Z	Z												
5 ft, 3/4 in. ID TPE, AseptiQuik G connectors	SH31317.01					X							X	X											X	X		Z		X					X
10 ft, 3/4 in. ID TPE, AseptiQuik G connectors	SH31317.02					X							X	X											X	X		Z		X					X
15 ft, 3/4 in. ID TPE, AseptiQuik G connectors	SH31317.03					X							X	X											X	X		Z		X					X
5 ft, 3/4 in. ID silicone, AseptiQuik G connectors	SH31197.31					Y							Y	Y											Y	Y		Y		Y			X		Y
10 ft, 3/4 in. ID silicone, AseptiQuik G connectors	SH31197.32					Y							Y	Y											Y	Y		Y		Y			X		Y
15 ft, 3/4 in. ID silicone, AseptiQuik G connectors	SH31197.33					Y							Y	Y											Y	Y		Y		Y			X		Y
5 ft, 3/4 in. ID braided silicone, AseptiQuik G connectors	SH31389.31					Z							Z	Z											Z	Z		X		Z					Z
10 ft, 3/4 in. ID braided silicone, AseptiQuik G connectors	SH31389.32					Z							Z	Z											Z	Z		X		Z					Z
15 ft, 3/4 in. ID braided silicone, AseptiQuik G connectors	SH31389.33					Z							Z	Z											Z	Z		X		Z					Z
5 ft, 3/4 in. ID TPE, AseptiQuik L connectors	SH31199.01																																			
10 ft, 3/4 in. ID TPE, AseptiQuik L connectors	SH31199.02																																			
15 ft, 3/4 in. ID TPE, AseptiQuik L connectors	SH31199.03																																			
5 ft, 3/4 in. ID silicone, AseptiQuik L connectors	SH31208.01																																			
10 ft, 3/4 in. ID silicone, AseptiQuik L connectors	SH31208.02																																			
15 ft, 3/4 in. ID silicone, AseptiQuik L connectors	SH31208.03																																			
5 ft, 3/4 in. ID braided silicone, AseptiQuik L connectors	SH31390.01																																			
10 ft, 3/4 in. ID braided silicone, AseptiQuik L connectors	SH31390.02																																			
15 ft, 3/4 in. ID braided silicone, AseptiQuik L connectors	SH31390.03																																			
5 ft, 1 in. ID TPE, AseptiQuik L connectors	SH31199.11						X	X	X						X											X										
10 ft, 1 in. ID TPE, AseptiQuik L connectors	SH31199.12						X	X	X						X											X										
15 ft, 1 in. ID TPE, AseptiQuik L connectors	SH31199.13						X	X	X						X											X										
5 ft, 1 in. ID silicone, AseptiQuik L connectors	SH31208.11						Y	Y	Y						Y											Y										
10 ft, 1 in. ID silicone, AseptiQuik L connectors	SH31208.12						Y	Y	Y						Y											Y										
15 ft, 1 in. ID silicone, AseptiQuik L connectors	SH31208.13						Y	Y	Y						Y											Y										
5 ft, 1 in. ID braided silicone, AseptiQuik L connectors	SH31390.11						Z	Z	Z						Z											Z										
10 ft, 1 in. ID braided silicone, AseptiQuik L connectors	SH31390.12						Z	Z	Z						Z											Z										
15 ft, 1 in. ID braided silicone, AseptiQuik L connectors	SH31390.13						Z	Z	Z						Z											Z										
5 ft, 1/4 in. ID TPE, AseptiQuik G connector, and 3/4 tri-clamp	SH31211.01																																			
10 ft, 1/4 in. ID TPE, AseptiQuik G connector, and 3/4 tri-clamp	SH31211.02																																			
15 ft, 1/4 in. ID TPE, AseptiQuik G connector, and 3/4 tri-clamp	SH31211.03																																			
5 ft, 1/4 in. ID silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31380.01																																			
10 ft, 1/4 in. ID silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31380.02																																			
15 ft, 1/4 in. ID silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31380.03																																			
5 ft, 1/4 in. ID braided silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31392.01																																			
10 ft, 1/4 in. ID braided silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31392.02																																			
15 ft, 1/4 in. ID braided silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31392.03																																			
5 ft, 3/8 in. ID TPE, AseptiQuik G connector, and 3/4 tri-clamp	SH31211.11																																			
10 ft, 3/8 in. ID TPE, AseptiQuik G connector, and 3/4 tri-clamp	SH31211.12																																			
15 ft, 3/8 in. ID TPE, AseptiQuik G connector, and 3/4 tri-clamp	SH31211.13																																			
5 ft, 3/8 in. ID silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31380.11																																			
10 ft, 3/8 in. ID silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31380.12																																			
15 ft, 3/8 in. ID silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31380.13																																			
5 ft, 3/8 in. ID braided silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31392.11																																			
10 ft, 3/8 in. ID braided silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31392.12																																			
15 ft, 3/8 in. ID braided silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31392.13																																			
5 ft, 1/2 in. ID TPE, AseptiQuik G connector, and 3/4 tri-clamp	SH31211.21																																			
10 ft, 1/2 in. ID TPE, AseptiQuik G connector, and 3/4 tri-clamp	SH31211.22																																			
15 ft, 1/2 in. ID TPE, AseptiQuik G connector, and 3/4 tri-clamp	SH31211.23																																			
5 ft, 1/2 in. ID silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31380.21																																			
10 ft, 1/2 in. ID silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31380.22																																			
15 ft, 1/2 in. ID silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31380.23																																			
5 ft, 1/2 in. ID braided silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31392.21																																			
10 ft, 1/2 in. ID braided silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31392.22																																			
15 ft, 1/2 in. ID braided silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31392.23																																			
5 ft, 3/4 in. ID TPE, AseptiQuik G connector, and 3/4 tri-clamp	SH31211.31																																			
10 ft, 3/4 in. ID TPE, AseptiQuik G connector, and 3/4 tri-clamp	SH31211.32																																			
15 ft, 3/4 in. ID TPE, AseptiQuik G connector, and 3/4 tri-clamp	SH31211.33																																			
5 ft, 3/4 in. ID silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31380.31																																			
10 ft, 3/4 in. ID silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31380.32																																			
15 ft, 3/4 in. ID silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31380.33																																			
5 ft, 3/4 in. ID braided silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31392.31																																			
10 ft, 3/4 in. ID braided silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31392.32																																			
15 ft, 3/4 in. ID braided silicone, AseptiQuik G connector, and 3/4 tri-clamp	SH31392.33																																			
5 ft, 1/4 in. ID TPE, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31204.01																																			
10 ft, 1/4 in. ID TPE, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31204.02																																			
15 ft, 1/4 in. ID TPE, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31204.03																																			
5 ft, 1/4 in. ID silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31212.01																																			
10 ft, 1/4 in. ID silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31212.02																																			
15 ft, 1/4 in. ID silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31212.03																																			
5 ft, 1/4 in. ID braided silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31489.01																																			
10 ft, 1/4 in. ID braided silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31489.02																																			
15 ft, 1/4 in. ID braided silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31489.03																																			
5 ft, 3/8 in. ID TPE, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31204.11																																			
10 ft, 3/8 in. ID TPE, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31204.12																																			
15 ft, 3/8 in. ID TPE, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31204.13																																			
5 ft, 3/8 in. ID silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31212.11																																			
10 ft, 3/8 in. ID silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31212.12																																			
15 ft, 3/8 in. ID silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31212.13																																			
5 ft, 3/8 in. ID braided silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31489.11																																			
10 ft, 3/8 in. ID braided silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31489.12																																			
15 ft, 3/8 in. ID braided silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31489.13																																			
5 ft, 1/2 in. ID TPE, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31204.21																																			
10 ft, 1/2 in. ID TPE, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31204.22																																			
15 ft, 1/2 in. ID TPE, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31204.23																																			
5 ft, 1/2 in. ID silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31212.21																																			
10 ft, 1/2 in. ID silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31212.22																																			
15 ft, 1/2 in. ID silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31212.23																																			
5 ft, 1/2 in. ID braided silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31489.21																											X							
10 ft, 1/2 in. ID braided silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31489.22																											X							
15 ft, 1/2 in. ID braided silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31489.23																											X							
5 ft, 3/4 in. ID TPE, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31204.31																											Y						X	X
10 ft, 3/4 in. ID TPE, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31204.32																											Y						X	X
15 ft, 3/4 in. ID TPE, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31204.33																											Y						X	X
5 ft, 3/4 in. ID silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31212.31																											Z						Y	Y
10 ft, 3/4 in. ID silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31212.32																											Z						Y	Y
15 ft, 3/4 in. ID silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31212.33																											Z						Y	Y
5 ft, 3/4 in. ID braided silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31489.31																																	Z	Z
10 ft, 3/4 in. ID braided silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31489.32																																	Z	Z
15 ft, 3/4 in. ID braided silicone, AseptiQuik G connector, and 1 1/2 tri-clamp	SH31489.33																																	Z	Z
5 ft, 3/4 in. ID TPE, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31207.01																																			
10 ft, 3/4 in. ID TPE, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31207.02																																			
15 ft, 3/4 in. ID TPE, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31207.03																																			
5 ft, 3/4 in. ID silicone, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31378.01																																			
10 ft, 3/4 in. ID silicone, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31378.02																																			
15 ft, 3/4 in. ID silicone, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31378.03																																			
5 ft, 3/4 in. ID braided silicone, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31395.01																																			
10 ft, 3/4 in. ID braided silicone, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31395.02																																			
15 ft, 3/4 in. ID braided silicone, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31395.03																																			
5 ft, 1 in. ID TPE, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31207.11																																			
10 ft, 1 in. ID TPE, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31207.12																																			
15 ft, 1 in. ID TPE, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31207.13																																			
5 ft, 1 in. ID silicone, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31378.11																																			
10 ft, 1 in. ID silicone, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31378.12																																			
15 ft, 1 in. ID silicone, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31378.13																																			
5 ft, 1 in. ID braided silicone, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31395.11																																			
10 ft, 1 in. ID braided silicone, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31395.12																																			
15 ft, 1 in. ID braided silicone, AseptiQuik L connector, and 1 1/2 tri-clamp	SH31395.13																																			
5 ft, 1/2 in. ID TPE, AseptiQuik G connector, and MPX body	SH31218.01																																			
10 ft, 1/2 in. ID TPE, AseptiQuik G connector, and MPX body	SH31218.02																																			
15 ft, 1/2 in. ID TPE, AseptiQuik G connector, and MPX body	SH31218.03																																			
5 ft, 1/2 in. ID silicone, AseptiQuik G connector, and MPX body	SH31490.01																																			
10 ft, 1/2 in. ID silicone, AseptiQuik G connector, and MPX body	SH31490.02																																			
15 ft, 1/2 in. ID silicone, AseptiQuik G connector, and MPX body	SH31490.03																																			
5 ft, 1/2 in. ID braided silicone, AseptiQuik G connector, and MPX body	SH31394.01																																			
10 ft, 1/2 in. ID braided silicone, AseptiQuik G connector, and MPX body	SH31394.02																																			
15 ft, 1/2 in. ID braided silicone, AseptiQuik G connector, and MPX body	SH31394.03																																			
5 ft, 3/8 in. ID TPE, MPC insert, and MPC body	SH31321.01	X	X							X	X																								
10 ft, 3/8 in. ID TPE, MPC insert, and MPC body	SH31321.02	X	X							X	X																								
15 ft, 3/8 in. ID TPE, MPC insert, and MPC body	SH31321.03	X	X							X	X																								
15 ft, 3/8 in. ID silicone, MPC insert, and MPC body	SH31377.01	Y	Y							Y	Y																								
10 ft, 3/8 in. ID silicone, MPC insert, and MPC body	SH31377.02	Y	Y							Y	Y																								
15 ft, 3/8 in. ID silicone, MPC insert, and MPC body	SH31377.03	Y	Y							Y	Y																								
5 ft, 3/8 in. ID braided silicone, MPC insert, and MPC body	SH31396.01	Z	Z							Z	Z																								
10 ft, 3/8 in. ID braided silicone, MPC insert, and MPC body	SH31396.02	Z	Z							Z	Z																								
15 ft, 3/8 in. ID braided silicone, MPC insert, and MPC body	SH31396.03	Z	Z							Z	Z																								
5 ft, 1/2 in. ID TPE, MPX insert, and MPX body	SH31220.01																																			
10 ft, 1/2 in. ID TPE, MPX insert, and MPX body	SH31220.02																																			
15 ft, 1/2 in. ID TPE, MPX insert, and MPX body	SH31220.03																																			
5 ft, 1/2 in. ID silicone, MPX insert, and MPX body	SH31382.01																																			
10 ft, 1/2 in. ID silicone, MPX insert, and MPX body	SH31382.02																																			
15 ft, 1/2 in. ID silicone, MPX insert, and MPX body	SH31382.03																																			
5 ft, 1/2 in. ID braided silicone, MPX insert, and MPX body	SH31401.01																																			
10 ft, 1/2 in. ID braided silicone, MPX insert, and MPX body	SH31401.02																																			
15 ft, 1/2 in. ID braided silicone, MPX insert, and MPX body	SH31401.03																																			
5 ft, 3/4 in. ID TPE, MPU body, and MPU insert	SH31315.01					X							X	X															Z	X		X	X			
10 ft, 3/4 in. ID TPE, MPU body, and MPU insert	SH31315.02					X							X	X															Z	X		X	X			
15 ft, 3/4 in. ID TPE, MPU body, and MPU insert	SH31315.03					X							X	X															Z	X		X	X			
5 ft, 3/4 in. ID silicone, MPU body, and MPU insert	SH31205.01					Y							Y	Y															Y	Y		Y	Y			
10 ft, 3/4 in. ID silicone, MPU body, and MPU insert	SH31205.02					Y							Y	Y															Y	Y		Y	Y			
15 ft, 3/4 in. ID silicone, MPU body, and MPU insert	SH31205.03					Y							Y	Y															Y	Y		Y	Y			
5 ft, 3/4 in. ID braided silicone, MPU body, and MPU insert	SH31398.01					Z							Z	Z															X	Z		Z	Z			
10 ft, 3/4 in. ID braided silicone, MPU body, and MPU insert	SH31398.02					Z							Z	Z															X	Z		Z	Z			
15 ft, 3/4 in. ID braided silicone, MPU body, and MPU insert	SH31398.03					Z							Z	Z															X	Z		Z	Z			
5 ft, 1 in. ID TPE, MPU body, and MPU insert	SH31224.01						X	X	X						X																					
10 ft, 1 in. ID TPE, MPU body, and MPU insert	SH31224.02						X	X	X						X																					
15 ft, 1 in. ID TPE, MPU body, and MPU insert	SH31224.03						X	X	X						X																					
5 ft, 1 in. ID silicone, MPU body, and MPU insert	SH31205.11						Y	Y	Y						Y																					
10 ft, 1 in. ID silicone, MPU body, and MPU insert	SH31205.12						Y	Y	Y						Y																					
15 ft, 1 in. ID silicone, MPU body, and MPU insert	SH31205.13						Y	Y	Y						Y																					
5 ft, 1 in. ID braided silicone, MPU body, and MPU insert	SH31398.11						Z	Z	Z						Z																					
10 ft, 1 in. ID braided silicone, MPU body, and MPU insert	SH31398.12						Z	Z	Z						Z																					
15 ft, 1 in. ID braided silicone, MPU body, and MPU insert	SH31398.13						Z	Z	Z						Z																					
5 ft, 3/4 in. ID TPE, 1 1/2 tri-clamp, and MPU insert	SH31206.01																											X		X	X			
10 ft, 3/4 in. ID TPE, 1 1/2 tri-clamp, and MPU insert	SH31206.02																											X		X	X			
15 ft, 3/4 in. ID TPE, 1 1/2 tri-clamp, and MPU insert	SH31206.03																											X		X	X			
5 ft, 1 in. ID TPE, 1 1/2 tri-clamp, and MPU insert	SH31206.11																																			
10 ft, 1 in. ID TPE, 1 1/2 tri-clamp, and MPU insert	SH31206.12																																			
15 ft, 1 in. ID TPE, 1 1/2 tri-clamp, and MPU insert	SH31206.13																																			
5 ft, 1 in. ID braided silicone, 1 1/2 tri-clamp, and MPU insert	SH31225.01																																			
10 ft, 1 in. ID braided silicone, 1 1/2 tri-clamp, and MPU insert	SH31225.02																																			
15 ft, 1 in. ID braided silicone, 1 1/2 tri-clamp, and MPU insert	SH31225.03																																			
5 ft, 1/4 in. ID TPE, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31201.01																																			
10 ft, 1/4 in. ID TPE, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31201.02																																			
15 ft, 1/4 in. ID TPE, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31201.03																																			
5 ft, 1/4 in. ID silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31386.01																																			
10 ft, 1/4 in. ID silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31386.02																																			
15 ft, 1/4 in. ID silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31386.03																																			
5 ft, 1/4 in. ID braided silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31403.01																																			
10 ft, 1/4 in. ID braided silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31403.02																																			
15 ft, 1/4 in. ID braided silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31403.03																																			
5 ft, 3/8 in. ID TPE, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31201.11																																			
10 ft, 3/8 in. ID TPE, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31201.12																																			
15 ft, 3/8 in. ID TPE, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31201.13																																			
5 ft, 3/8 in. ID silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31386.11																																			
10 ft, 3/8 in. ID silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31386.12																																			
15 ft, 3/8 in. ID silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31386.13																																			
5 ft, 3/8 in. ID braided silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31403.11																																			
10 ft, 3/8 in. ID braided silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31403.12																																			
15 ft, 3/8 in. ID braided silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31403.13																																			
5 ft, 1/2 in. ID TPE, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31201.21																																			
10 ft, 1/2 in. ID TPE, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31201.22																																			
15 ft, 1/2 in. ID TPE, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31201.23																																			
5 ft, 1/2 in. ID silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31386.21																																			
10 ft, 1/2 in. ID silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31386.22																																			
15 ft, 1/2 in. ID silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31386.23																																			
5 ft, 1/2 in. ID braided silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31403.21																																X		
10 ft, 1/2 in. ID braided silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31403.22																																X		
15 ft, 1/2 in. ID braided silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31403.23																																X		
5 ft, 3/4 in. ID TPE, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31201.31																																			
10 ft, 3/4 in. ID TPE, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31201.32																																			
15 ft, 3/4 in. ID TPE, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31201.33																																			
5 ft, 3/4 in. ID silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31386.31																																			
10 ft, 3/4 in. ID silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31386.32																																			
15 ft, 3/4 in. ID silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31386.33																																			
5 ft, 3/4 in. ID braided silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31403.31																																			
10 ft, 3/4 in. ID braided silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31403.32																																			
15 ft, 3/4 in. ID braided silicone, 1 1/2 tri-clamp, and 3/4 tri-clamp	SH31403.33																																			
5 ft, 1/4 in. ID TPE, 1 1/2 tri-clamps	SH31217.01																													X					
10 ft, 1/4 in. ID TPE, 1 1/2 tri-clamps	SH31217.02																													X					
15 ft, 1/4 in. ID TPE, 1 1/2 tri-clamps	SH31217.03																													X					
5 ft, 1/4 in. ID silicone, 1 1/2 tri-clamps	SH31387.01																																			
10 ft, 1/4 in. ID silicone, 1 1/2 tri-clamps	SH31387.02																																			
15 ft, 1/4 in. ID silicone, 1 1/2 tri-clamps	SH31387.03																																			
5 ft, 1/4 in. ID braided silicone, 1 1/2 tri-clamps	SH31404.01																																			
10 ft, 1/4 in. ID braided silicone, 1 1/2 tri-clamps	SH31404.02																																			
15 ft, 1/4 in. ID braided silicone, 1 1/2 tri-clamps	SH31404.03																																			
5 ft, 3/8 in. ID TPE, 1 1/2 tri-clamps	SH31217.11																																			
10 ft, 3/8 in. ID TPE, 1 1/2 tri-clamps	SH31217.12																																			
15 ft, 3/8 in. ID TPE, 1 1/2 tri-clamps	SH31217.13																																			
5 ft, 3/8 in. ID silicone, 1 1/2 tri-clamps	SH31387.11																																			
10 ft, 3/8 in. ID silicone, 1 1/2 tri-clamps	SH31387.12																																			
15 ft, 3/8 in. ID silicone, 1 1/2 tri-clamps	SH31387.13																																			
5 ft, 3/8 in. ID braided silicone, 1 1/2 tri-clamps	SH31404.11																																			
10 ft, 3/8 in. ID braided silicone, 1 1/2 tri-clamps	SH31404.12																																			
15 ft, 3/8 in. ID braided silicone, 1 1/2 tri-clamps	SH31404.13																																			
5 ft, 1/2 in. ID TPE, 1 1/2 tri-clamps	SH31217.21																																			
10 ft, 1/2 in. ID TPE, 1 1/2 tri-clamps	SH31217.22																																			
15 ft, 1/2 in. ID TPE, 1 1/2 tri-clamps	SH31217.23																																			
5 ft, 1/2 in. ID silicone, 1 1/2 tri-clamps	SH31387.21																																			
10 ft, 1/2 in. ID silicone, 1 1/2 tri-clamps	SH31387.22																																			
15 ft, 1/2 in. ID silicone, 1 1/2 tri-clamps	SH31387.23																																			
5 ft, 1/2 in. ID braided silicone, 1 1/2 tri-clamps	SH31404.21																																			
10 ft, 1/2 in. ID braided silicone, 1 1/2 tri-clamps	SH31404.22																																			
15 ft, 1/2 in. ID braided silicone, 1 1/2 tri-clamps	SH31404.23																																			
5 ft, 3/4 in. ID TPE, 1 1/2 tri-clamps	SH31217.31																													X					
10 ft, 3/4 in. ID TPE, 1 1/2 tri-clamps	SH31217.32																													X					
15 ft, 3/4 in. ID TPE, 1 1/2 tri-clamps	SH31217.33																													X					
5 ft, 3/4 in. ID silicone, 1 1/2 tri-clamps	SH31387.31																													Y					
10 ft, 3/4 in. ID silicone, 1 1/2 tri-clamps	SH31387.32																													Y					
15 ft, 3/4 in. ID silicone, 1 1/2 tri-clamps	SH31387.33																													Y					
5 ft, 3/4 in. ID braided silicone, 1 1/2 tri-clamps	SH31404.31																													Z					
10 ft, 3/4 in. ID braided silicone, 1 1/2 tri-clamps	SH31404.32																													Z					
15 ft, 3/4 in. ID braided silicone, 1 1/2 tri-clamps	SH31404.33																													Z					
5 ft, 1 in. ID silicone, 1 1/2 tri-clamps	SH31388.01																																			
10 ft, 1 in. ID silicone, 1 1/2 tri-clamps	SH31388.02																																			
15 ft, 1 in. ID silicone, 1 1/2 tri-clamps	SH31388.03																																			
5 ft, 1 in. ID braided silicone, 1 1/2 tri-clamps	SH31405.01																																			
10 ft, 1 in. ID braided silicone, 1 1/2 tri-clamps	SH31405.02																																			
15 ft, 1 in. ID braided silicone, 1 1/2 tri-clamps	SH31405.03																																			
5 ft, 1/2 in. ID TPE, MPX insert, and 1 1/2 tri-clamp	SH31209.01																																			
10 ft, 1/2 in. ID TPE, MPX insert, and 1 1/2 tri-clamp	SH31209.02																																			
15 ft, 1/2 in. ID TPE, MPX insert, and 1 1/2 tri-clamp	SH31209.03																																			
5 ft, 1/2 in. ID silicone, MPX insert, and 1 1/2 tri-clamp	SH31383.01																																			
10 ft, 1/2 in. ID silicone, MPX insert, and 1 1/2 tri-clamp	SH31383.02																																			
15 ft, 1/2 in. ID silicone, MPX insert and 1 1/2 tri-clamp	SH31383.03																																			
5 ft, 1/2 in. ID TPE, MPX body, and 1 1/2 tri-clamp	SH31210.01																																			
10 ft, 1/2 in. ID TPE, MPX body, and 1 1/2 tri-clamp	SH31210.02																																			
15 ft, 1/2 in. ID TPE, MPX body, and 1 1/2 tri-clamp	SH31210.03																																			
5 ft, 1/2 in. ID silicone, MPX body, and 1 1/2 tri-clamp	SH31385.01																																			
10 ft, 1/2 in. ID silicone, MPX body, and 1 1/2 tri-clamp	SH31385.02																																			
15 ft, 1/2 in. ID silicone, MPX body, and 1 1/2 tri-clamp	SH31385.03																																			
5 ft, 1/2 in. ID braided silicone, MPX body, and 1 1/2 tri-clamp	SH31402.01																																			
10 ft, 1/2 in. ID braided silicone, MPX body, and 1 1/2 tri-clamp	SH31402.02																																			
15 ft, 1/2 in. ID braided silicone, MPX body, and 1 1/2 tri-clamp	SH31402.03																																			
5 ft, 1/2 in. braided silicone, 3/4 tri-clamp, and MPX insert	SH31223.01																																			
10 ft, 1/2 in. braided silicone, 3/4 tri-clamp, and MPX insert	SH31223.02																																			
15 ft, 1/2 in. braided silicone, 3/4 tri-clamp, and MPX insert	SH31223.03																																			
5 ft, 1 in. ID TPE, MPU body, and 1 1/2 tri-clamp	SH31215.01																																			
10 ft, 1 in. ID TPE, MPU body, and 1 1/2 tri-clamp	SH31215.02																																			
15 ft, 1 in. ID TPE, MPU body, and 1 1/2 tri-clamp	SH31215.03																																			
5 ft, 1 in. ID silicone, MPU body, and 1 1/2 tri-clamp	SH31221.01																																			
10 ft, 1 in. ID silicone, MPU body, and 1 1/2 tri-clamp	SH31221.02																																			
15 ft, 1 in. ID silicone, MPU body, and 1 1/2 tri-clamp	SH31221.03																																			
5 ft, 1 in. ID braided silicone, MPU body, and 1 1/2 tri-clamp	SH31400.01																																			
10 ft, 1 in. ID braided silicone, MPU body, and 1 1/2 tri-clamp	SH31400.02																																			
15 ft, 1 in. ID braided silicone, MPU body, and 1 1/2 tri-clamp	SH31400.03																																			
5 ft, 3/4 in. ID silicone, MPU insert, and 1 1/2 tri-clamp	SH31381.01																											Y		Y	Y			
10 ft, 3/4 in. ID silicone, MPU insert, and 1 1/2 tri-clamp	SH31381.02																											Y		Y	Y			
15 ft, 3/4 in. ID silicone, MPU insert, and 1 1/2 tri-clamp	SH31381.03																											Y		Y	Y			
5 ft, 1 in. ID silicone, MPU insert, and 1 1/2 tri-clamp	SH31381.11																											Y		Y	Y			
10 ft, 1 in. ID silicone, MPU insert, and 1 1/2 tri-clamp	SH31381.12																											Y		Y	Y			
15 ft, 1 in. ID silicone, MPU insert, and 1 1/2 tri-clamp	SH31381.13																											Y		Y	Y			
5 ft, 3/4 in. ID braided silicone, MPU insert, and 1 1/2 tri-clamp	SH31399.01																											Z		Z	Z			
10 ft, 3/4 in. ID braided silicone, MPU insert, and 1 1/2 tri-clamp	SH31399.02																											Z		Z	Z			
15 ft, 3/4 in. ID braided silicone, MPU insert, and 1 1/2 tri-clamp	SH31399.03																											Z		Z	Z			
18. Transfer Assembly Pump Tubing																																				
1/4 in. ID TPE and Pumpsil™ silicone, AseptiQuik G connectors	SH31342.01															X	X							X													
1/4 in. ID silicone and Pumpsil™ silicone, AseptiQuik G connectors	SH31406.01															Y	Y							Y													
3/8 in. ID TPE and Pumpsil silicone, AseptiQuik G connectors	SH31342.11																	X	X	X				X						X					
3/8 in. ID silicone and Pumpsil silicone, AseptiQuik G connectors	SH31406.11																	Y	Y	Y				Y						Y					
1/2 in. ID TPE and Pumpsil silicone, AseptiQuik G connectors	SH31342.21																				X	X	X	X	X									X	X
1/2 in. ID silicone and Pumpsil silicone, AseptiQuik G connectors	SH31406.21																				Y	Y	Y	Y	Y									Y	Y
1/2 in. ID braided silicone and Pumpsil silicone, AseptiQuik G connectors	SH31412.21																				Z	Z	Z	Z	Z									Z	Z
3/4 in. ID TPE and Pumpsil silicone, AseptiQuik G connectors	SH31342.31																								X	X			X					
3/4 in. ID silicone and Pumpsil silicone, AseptiQuik G connectors	SH31406.31																								Y	Y			Y					
3/4 in. ID braided silicone and Pumpsil silicone, AseptiQuik G connectors	SH31412.31																								Z	Z			Z					
3/4 in. ID TPE and Pumpsil silicone, AseptiQuik L connectors	SH31341.01																																			
3/4 in. ID silicone and Pumpsil silicone, AseptiQuik L connectors	SH31407.01																																			
3/4 in. ID braided silicone and Pumpsil silicone, AseptiQuik L connectors	SH31413.01																																			
1 in. ID TPE and Pumpsil silicone, AseptiQuik L connectors	SH31341.11																								X	X										
1 in. ID silicone and Pumpsil silicone, AseptiQuik L connectors	SH31407.11																								Y	Y										
1 in. ID braided silicone and Pumpsil silicone, AseptiQuik L connectors	SH31413.11																								Z	Z										
3/8 in. ID braided silicone and Pumpsil silicone, AseptiQuik G connectors	SH31412.11																																			
3/8 in. ID TPE, 3/8 in. ID Pumpsil silicone, MPC insert and MPC body	SH31320.01	X	X							X	X																	X		X	X			
3/8 in. ID silicone, 3/8 in. ID Pumpsil silicone, MPC insert and MPC body	SH31408.01	Y	Y							Y	Y																	Y		Y	Y			
3/8 in. ID braided silicone, 3/8 in. ID Pumpsil silicone, MPC insert, and MPC body	SH31414.01	Z	Z							Z	Z																	Z		Z	Z			
1/2 in. ID TPE and Pumpsil silicone, MPX insert and MPX body	SH31318.01			X	X						X																								
1/2 in. ID silicone and Pumpsil silicone, MPX insert and MPX body	SH31411.01			Y	Y						Y															Y							
1/2 in. ID braided and Pumpsil silicone, MPX insert and MPX body	SH31417.01			Z	Z						Z																								
3/4 in. ID TPE and Pumpsil silicone, MPU insert and MPU body	SH31314.01					X							X	X															Z	X		X	X			
3/4 in. ID silicone and Pumpsil silicone, MPU insert and MPU body	SH31409.01					Y							Y	Y																Y		Y	Y			
3/4 in. ID braided silicone and Pumpsil silicone, MPU insert and MPU body	SH31415.01					Z							Z	Z																Z		Z	Z			
1 in. ID TPE and Pumpsil silicone, MPU insert and MPU body	SH31333.01						X	X	X						X																					
1 in. ID silicone and Pumpsil silicone, MPU insert, and MPU body	SH31410.01						Y	Y	Y						Y																					
1 in. ID braided silicone and Pumpsil silicone, MPU insert, and MPU body	SH31416.01						Z	Z	Z						Z																					
19. Transfer Assembly Y Manifolds																																				
1/8 in. ID TPE, AseptiQuik S connectors, and Y connector	SH31200.01																																			
1/8 in. ID silicone, AseptiQuik S connectors, and Y connector	SH31461.01																																			
1/4 in. ID TPE, AseptiQuik S connectors, and Y connector	SH31200.10																																			
1/4 in. ID silicone, AseptiQuik S connectors, and Y connector	SH31461.11																																			
1/4 in. ID braided silicone, AseptiQuik S connectors, and Y connector	SH31479.11																																			
1/4 in. ID TPE, AseptiQuik G connectors, and Y connector	SH31202.01															X	X							X													
1/4 in. ID silicone, AseptiQuik G connectors, and Y connector	SH31458.01															Y	Y							Y													
1/4 in. ID braided silicone, AseptiQuik G connectors, and Y connector	SH31478.01															Z	Z							Z													
3/8 in. ID TPE, AseptiQuik S connectors, and Y connector	SH31200.20																																			
3/8 in. ID silicone, AseptiQuik S connectors, and Y connector	SH31461.21																																			
3/8 in. ID braided silicone, AseptiQuik S connectors, and Y connector	SH31479.21																																			
3/8 in. ID TPE, AseptiQuik G connectors, and Y connector	SH31202.11	X	X							X	X									X	X				X													
3/8 in. ID silicone, AseptiQuik G connectors, and Y connector	SH31458.11	Y	Y							Y	Y									Y	Y				Y													
3/8 in. ID braided silicone, AseptiQuik G connectors, and Y connector	SH31478.11	Z	Z							Z	Z									Z	Z				Z													
3/8 in. ID TPE, MPC body, Y connector, and MPC insert	SH31310.01	X	X							X	X																								
3/8 in. ID silicone, MPC body, Y connector, and MPC insert	SH31472.01	Y	Y							Y	Y																								
3/8 in. ID braided silicone, MPC body, Y connector, and MPC insert	SH31483.01	Z	Z							Z	Z																								
1/2 in. ID TPE, AseptiQuik G connectors, and Y connector	SH31202.21			X	X						X											X	X		X												
1/2 in. ID silicone, AseptiQuik G connectors, and Y connector	SH31458.21			Y	Y						Y											Y	Y		Y												
1/2 in. ID braided silicone, AseptiQuik G connectors, and Y connector	SH31478.21			Z	Z						Z											Z	Z		Z												
1/2 in. ID TPE, MPX body, Y connector, and MPX insert	SH31244.01											X																								
1/2 in. ID silicone, MPX body, Y connector, and MPX insert	SH31477.01			Y	Y						Y																								
1/2 in. ID braided silicone, MPX body, Y connector, and MPX insert	SH31487.01			Z	Z						Z																								
3/4 in. ID TPE, AseptiQuik G connectors, and Y connector	SH31202.31					X							X	X									X	X	X			X					X
3/4 in. ID silicone, AseptiQuik G connectors, and Y connector	SH31458.31					Y							Y	Y									Y	Y	Y			Y					Y
3/4 in. ID braided silicone, AseptiQuik G connectors, and Y connector	SH31478.31					Z							Z	Z									Z	Z	Z			Z					Z
3/4 in. ID TPE, AseptiQuik L connectors, and Y connector	SH31203.01																											Z							
3/4 in. ID silicone, AseptiQuik L connectors, and Y connector	SH31470.01																																			
3/4 in. ID braided silicone, AseptiQuik L connectors, and Y connector	SH31480.01																																			
3/4 in. ID TPE, MPU body, Y connector, and MPU insert	SH31311.01					X							X	X															Y							
3/4 in. ID silicone, MPU body, Y connector, and MPU insert	SH31475.01					Y							Y	Y																							
3/4 in. ID braided silicone, MPU body, Y connector, and MPU insert	SH31485.01					Z							Z	Z																							
1 in. ID TPE, AseptiQuik L connectors, and Y connector	SH31203.11						X	X	X						X											X	X									
1 in. ID braided silicone, AseptiQuik L connectors, and Y connector	SH31481.11						Z	Z	Z						Z											Z	Z									
1 in. ID TPE, AseptiQuik L connectors, Y connector	SH31246.01						X	X	X						X											X	X									
1 in. ID silicone, AseptiQuik L connectors, and Y connector	SH31471.01						Y	Y	Y						Y											Y	Y									
1 in. ID braided silicone, AseptiQuik L connectors, and Y connector	SH31482.01						Z	Z	Z						Z											Z	Z									
1 in. ID TPE, MPU insert, Y connector, and MPU body	SH31247.01						X	X	X						X																					
1 in. ID silicone, MPU insert, Y connector, and MPU body	SH31474.01						Y	Y	Y						Y																					
1 in. ID braided silicone, MPU body, Y connector, and MPU insert	SH31488.01						Z	Z	Z						Z																					
1 in. ID TPE, MPU body, Y connector, and MPU insert	SH31312.01																																			
20. Transfer Assembly Filter Manifold																																				
1/2 in. ID TPE, MPX insert, 1 1/2 tri-clamp, Millipore™ 3 in. Opticap™ XL filter, AseptiQuik G connectors	SH31338.01	X	X	X	X					X	X	X																							
1 inch ID TPE, MPU insert, 1 1/2 tri-clamps Millipore 5 in. Opticap XL filter, AseptiQuik L connectors	SH31332.01	X	X	X	X					X	X	X																							
21. Transfer Assembly 4-Way Manifolds																																				
3/8 in. ID TPE, AseptiQuik G connectors	SH31323.01	W	W							W	W													X													
3/8 in. ID silicone, AseptiQuik G connectors	SH31437.01	W	W							W	W													Y													
3/8 in. ID braided silicone, AseptiQuik G connectors	SH31450.01	W	W							W	W													Z													
1/2 in. ID TPE, AseptiQuik G connectors	SH31326.01			X	X						X													X												
1/2 in. ID silicone, AseptiQuik G connectors	SH31441.01			Y	Y						Y													Y												
1/2 in. ID braided silicone, AseptiQuik G connectors	SH31452.01			Z	Z						Z													Z												
3/4 in. ID TPE, AseptiQuik G connectors, and Y connectors	SH31445.01																																			
3/4 in. ID silicone, AseptiQuik G connectors, and Y connectors	SH31455.01																																			
1 in. ID TPE, AseptiQuik L connectors, and Y connectors	SH31329.01						X	X	X						X											X	X									
1 in. ID silicone, AseptiQuik L connectors, and Y connectors	SH31443.01						Y	Y	Y						Y											Y	Y									
1 in. ID braided silicone, AseptiQuik L connectors, and Y connectors	SH31454.01						Z	Z	Z						Z											Z	Z									
22. Transfer Assembly 5-Way Manifolds																																				
3/8 in. ID TPE, AseptiQuik G connectors	SH31324.01	W	W							W	W																								
3/8 in. ID silicone, AseptiQuik G connectors	SH31449.01	W	W							W	W																								
3/8 in. ID braided silicone, AseptiQuik G connectors	SH31457.01	W	W							W	W																								
1/2 in. ID TPE, AseptiQuik G connectors	SH31327.01			X	X						X																								
1/2 in. ID silicone, AseptiQuik G connectors	SH31451.01			Y	Y						Y																								
1/2 in. ID braided silicone, AseptiQuik G connectors	SH31462.01			Z	Z						Z																								
1 in. ID TPE, AseptiQuik L connectors, and T connectors	SH31330.01						X	X	X						X																					
1 in. ID silicone, AseptiQuik L connectors, and T connectors	SH31453.01						Y	Y	Y						Y																					
1 in. ID braided silicone, AseptiQuik L connectors, and T connectors	SH31466.01						Z	Z	Z						Z																					
3/4 in. ID silicone, AseptiQuikG connectors, Y and T connectors	SH31456.01																																			
3/4 in. ID braided silicone, AseptiQuikG connectors, Y and T connectors	SH31488.01																																			
23. Transfer Assembly 6-Way Manifolds																																				
3/8 in. ID TPE, AseptiQuik G connectors	SH31325.01	W	W							W	W																								
3/8 in. ID silicone, AseptiQuik G connectors	SH31459.01	W	W							W	W																								
3/8 in. ID braided silicone, AseptiQuik G connectors	SH31465.01	W	W							W	W																								
1/2 in. ID TPE, AseptiQuik G connectors	SH31328.01			X	X						X																								
1/2 in. ID silicone, AseptiQuik G connectors	SH31460.01			Y	Y						Y																								
1/2 in. ID braided silicone, AseptiQuik G connectors	SH31467.01			Z	Z						Z																								
3/4 in. ID TPE, AseptiQuik G connectors, Y and T connectors	SH31337.01					W							W	W																					X
3/4 in. ID silicone, AseptiQuik G connectors, Y and T connectors	SH31463.01					W							W	W																					Y
3/4 in. ID braided silicone, AseptiQuik G connectors, Y and T connectors	SH31468.01					W							W	W																					Z
1 in. ID TPE, AseptiQuik L connectors, Y and T connectors	SH31331.01						X	X	X						X																					
1 in. ID silicone, AseptiQuik L connectors, Y and T connectors	SH31464.01						Y	Y	Y						Y																					
1 in. ID braided silicone, AseptiQuik L connectors, Y and T connectors	SH31469.01						Z	Z	Z						Z																					
24. Standard Single-Use Bottle Assembly Systems																																				
125 mL, polycarbonate (PC) bottle, 2-port cap with TPE tubing	SB00001-I	X	X	X	X	X	X	X	X	X	X	X	X	X	X																				
250 mL, PC bottle, 2-port cap with TPE tubing	SB00002-I	X	X	X	X	X	X	X	X	X	X	X	X	X	X																				
500 mL, PC bottle, 2-port cap with TPE tubing	SB00003-I	X	X	X	X	X	X	X	X	X	X	X	X	X	X																				
1 L, PC bottle, 2-port cap with TPE tubing	SB00004-I	X	X	X	X	X	X	X	X	X	X	X	X	X	X																				
2 L, PC bottle, 3-port cap with TPE tubing	SB00005-I	X	X	X	X	X	X	X	X	X	X	X	X	X	X																				
125 mL, polyethylene terephthalate glycol (PETG) bottle, 2-port cap with TPE tubing	SB00006-I	X	X	X	X	X	X	X	X	X	X	X	X	X	X																				
250 mL, PETG bottle, 2-port cap with TPE tubing	SB00007-I	X	X	X	X	X	X	X	X	X	X	X	X	X	X																				
500 mL, PETG bottle, 2-port cap with TPE tubing	SB00008-I	X	X	X	X	X	X	X	X	X	X	X	X	X	X																				
1 L, PETG bottle, 2-port cap with TPE tubing	SB00009-I	X	X	X	X	X	X	X	X	X	X	X	X	X	X																				
2 L, PETG bottle, 3-port cap with TPE tubing	SB00010-I	X	X	X	X	X	X	X	X	X	X	X	X	X	X																				
25. Nalgene Polycarbonate Fernbach Culture Flask																																				
2,800 mL, Case of 4	4105-2800																																			
26. Nunc Standard Closed Cell Factory Systems and Roller Bottles																																				
2-layer, silicone tubing, AseptiQuik G connector, and Sartopore™ 0.2 µm filter	140471																							Y	Y												
10-layer, silicone tubing, AseptiQuik G connector, and Sartopore™ 0.2 µm filter	140472																							Y	Y												
Polystyrene (PS) Roller Bottle	142744																					Y	Y														
PETG Roller Bottle	1760-20																					Y	Y														
27. Nalgene™ Production Carboys																																				
20 L HDPE Single-Use Sterile Carboy	342289-0050																									X	X										
33 L HDPE Single-Use Sterile Carboy	342289-0075																									X	X										
10 L PC Round Clearboy Carboy with Closure	2251-0020																									X	X										
20 L PC Round Clearboy Carboy with Closure	2251-0050																									X	X										
10 L Polypropylene (PP) Heavy-Duty Vacuum Carboy with Handle	2226-0020																									X	X										
20 L PP Heavy-Duty Vacuum Carboy with Handle	2226-0050																									X	X										
10 L PP Wide-Mouth Carboy with Handle	2235-0020																									X	X										
20 L PP Wide-Mouth Carboy with Handle	2235-0050																									X	X										
10 L PP Carboy	2250-0020																									X	X										
20 L PP Carboy	2250-0050																									X	X										
50 L PP Carboy	2250-0130																									X	X										
10 L PP Carboy with 3 in. Sanitary Neck	2630-0010																									X	X										
20 L PP Carboy with 3 in. Sanitary Neck	2630-0020																									X	X										
50 L PP Carboy with 3 in. Sanitary Neck	2630-0050																									X	X										
28. Nalgene™ Certified and Platinum Certified Clean Biotainer Carboys																																				
10 L HDPE Platinum Certified Clean Carboy, sterile	CE-N2289-0020																																			X
20 L HDPE Platinum Certified Clean Carboy, sterile	CE-N2289-0050																																			X
33 L HDPE Platinum Certified Clean Carboy, sterile	CE-N2289-0075																																			X
10 L PC Platinum Certified Clean Biotainer Carboy, sterile	CE-N3410-42																																			X
10 L PC Certified Clean Biotainer Carboy, sterile	383410-42																																			X
20 L PC Certified Clean Biotainer Carboy, sterile	383423-42																																			X
Alternatives and Miscellaneous Products																																				
1 in. ID TPE, PendoTECH™ Pressure Sensor, and AseptiQuik L connectors	SH31265.01																																			
1/8–3/8 in. Spare Bulk Package, clamps, 25 pack	SH31213.01																																			
3/8–3/4 in. Spare Bulk Package, clamps, 25 pack	SH31213.02																																			
Spare Bulk Package, heavy duty clamps, 10 pack	SH31213.03																																			
Spare Bulk Package, Biopure clamps, 10 pack, 3/4–1 in. OD	SH31213.04																																			
Spare Bulk Package, Pure Fit TCL, 10 pack, 1 in. ID	SH31213.05																																			
Tubing Assembly Exhaust Vent Filter, 3/4 in. ID Braided TPE, 1 1/2 tri-clamps, and AseptiQuik G connector	SH31313.01																																			
Nalgene Polycarbonate Culture Vessel with Ports	2600-0012																																			
Nalgene Magnetic Carboy Stirrer	DS2227-0020																																			

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Ask our field application scientist (FAS) team for specific recommendations associated with these strategies that ensures the most value for your operations.

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