

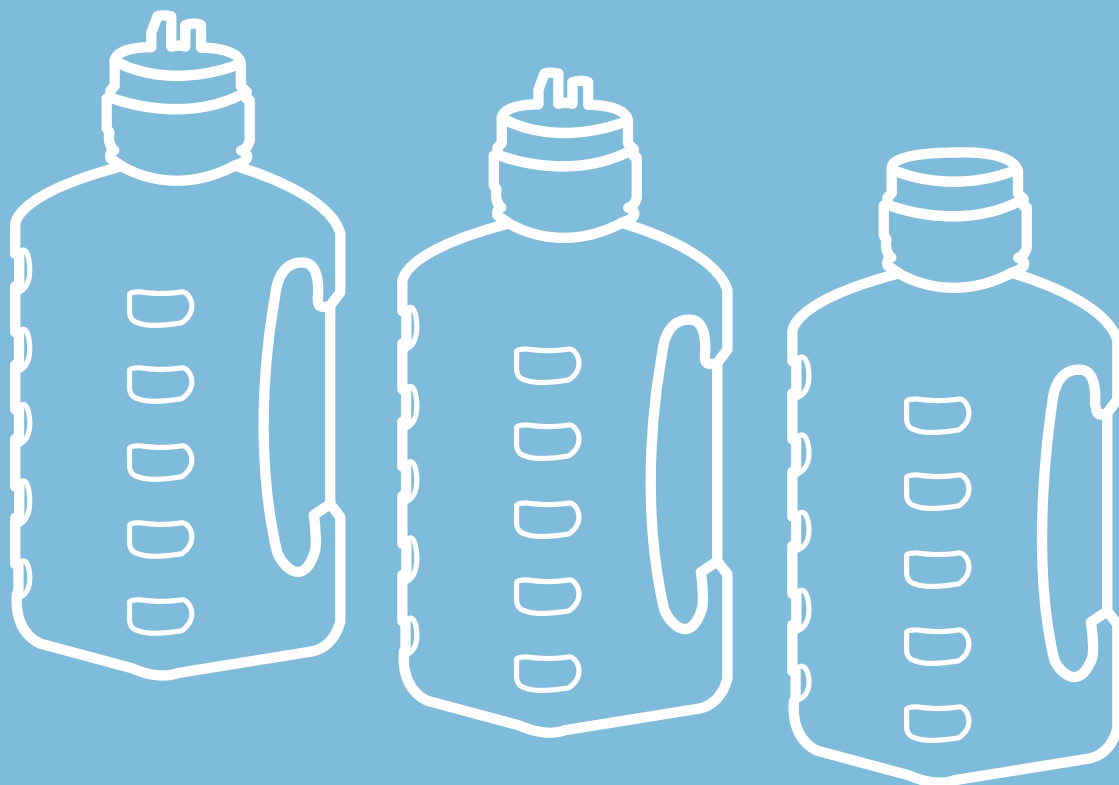
Liquid Storage Solution

The storage and transport of process fluids are critical in biopharmaceutical processes. GVS Single-Use Storage Systems are specially designed for medium storage and transfer, cell fluid clarification and collection, interim storage of filtered buffers, intermediate product storage, bulk solution storage and cryopreservation, interim storage of semi-finished products, etc. Flexible transfer can be achieved with GVS 2D Storage Bags, 3D Storage Bags, and Storage Bottles, together with different storage and transfer tools. These systems include cubic collapsible plastic boxes, circular plastic bins, 2D plastic trays, stainless steel tanks, and carts.

Storage Bottle

Single-Use Storage Bottles are designed for the storage, transport, and cryopreservation of liquids used in biopharmaceutical processes. It can be used for sensitive liquids, buffers, culture media, etc. Autoclave and gamma irradiation versions with different caps are available. There is no risk of batch-to-batch or product-to-product cross-contamination. In addition, the bottle is equipped with multiple designs of caps and can be flexibly selected by customers according to their different requirements for liquid transfer.

The caps of Single-Use Storage Bottles are available in 20 mm, 38 mm, 48 mm, and 80 mm, and are suitable for various steps of biotechnology and pharmaceutical liquid transport. The caps can be adapted to GVS liquid storage bottles as well as some foreign brand liquid storage bottles.



Features

- The bottle is made of PC material for its durability and transparency
- The cap is equipped with a silicone gasket to prevent leakage
- Volume range: 5 mL–10 L
- No additives, irradiated natural discoloration
- Fully validated to ensure safety
- Can be stored at -80°C
- Resistant to moist heat sterilization at 121°C for 30 min for 3 times
- Customization available

Validation Documents

- USP <661>
- ISO10993-4 Hemolysis
- USP<88>Class VI
- USP<87> No cytotoxicity
- USP<85> No pyrogen
- USP <788> Particulate Matter in Injections
- FDA 21 CFR 177.1580
- FDA 21 CFR 177.1520



Ordering information

Bottle with regular cap

Product code - sterile	Product code - non-sterile	Volume	Dimension L*W*H (mm)	Package	Cap
BIOGBTA5ML001	BIOGBTB5ML001	5 mL	36*36*60	200	20 mm regular cap
BIOGBTA20ML001	BIOGBTB20ML001	20 mL	36*36*80	200	
BIOGBTA50ML001	BIOGBTB50ML001	50 mL	45*45*85	120	
BIOGBTA125ML001	BIOGBTB125ML001	125 mL	54*54*120	60	38 mm regular cap
BIOGBTA250ML001	BIOGBTB250ML001	250 mL	68*68*140	40	
BIOGBTA500ML001	BIOGBTB500ML001	500 mL	74*74*190	20	
BIOGBTA1L001	BIOGBTB1L001	1 L	98*98*220	25	48 mm regular cap
BIOGBTA2L001	BIOGBTB2L001	2 L	114*114*286	16	
BIOGBTA5L001	BIOGBTB5L001	5 L	180*180*332	6	80 mm regular cap
BIOGBTA10L001	BIOGBTB10L001	10 L	240*240*361	4	



Storage bottle with 2-port cap (no tubing)

Product code - sterile	Product code - non-sterile	Volume	Dimension L*W*H (mm)	Package	Cap
BIOGBTA5ML002	BIOGBTB5ML002	5 mL	36*36*60	200	20 mm 2-port cap, no tubing
BIOGBTA20ML002	BIOGBTB20ML002	20 mL	36*36*80	200	
BIOGBTA50ML002	BIOGBTB50ML002	50 mL	45*45*85	120	
BIOGBTA125ML002	BIOGBTB125ML002	125 mL	54*54*120	60	38 mm 2-port cap, no tubing
BIOGBTA250ML002	BIOGBTB250ML002	250 mL	68*68*140	40	
BIOGBTA500ML002	BIOGBTB500ML002	500 mL	74*74*190	20	
BIOGBTA1L002	BIOGBTB1L002	1 L	98*98*220	25	48 mm 2-port cap, no tubing
BIOGBTA2L002	BIOGBTB2L002	2 L	114*114*286	16	
BIOGBTA5L002	BIOGBTB5L002	5 L	180*180*332	6	80 mm 2-port cap, no tubing
BIOGBTA10L002	BIOGBTB10L002	10 L	240*240*361	4	



Storage bottle with 3-port cap (no tubing)

Product code - sterile	Product code - non-sterile	Volume	Dimension L*W*H (mm)	Package	Cap
BIOGBTA5ML003	BIOGBTB5ML003	5 mL	36*36*60	200	20 mm 3-port cap, no tubing
BIOGBTA20ML003	BIOGBTB20ML003	20 mL	36*36*80	200	
BIOGBTA50ML003	BIOGBTB50ML003	50 mL	45*45*85	120	
BIOGBTA125ML003	BIOGBTB125ML003	125 mL	54*54*120	60	38 mm 3-port cap, no tubing
BIOGBTA250ML003	BIOGBTB250ML003	250 mL	68*68*140	40	
BIOGBTA500ML003	BIOGBTB500ML003	500 mL	74*74*190	20	
BIOGBTA1L003	BIOGBTB1L003	1 L	98*98*220	25	48 mm 3-port cap, no tubing
BIOGBTA2L003	BIOGBTB2L003	2 L	114*114*286	16	
BIOGBTA5L003	BIOGBTB5L003	5 L	180*180*332	6	80 mm 3-port cap, no tubing
BIOGBTA10L003	BIOGBTB10L003	10 L	240*240*361	4	



Storage bottle with 2-port cap (with welded tubing)

Product code - sterile	Product code - non-sterile	Volume	Dimension L*W*H (mm)	Cap	Line
BIOGBTA5ML008	BIOGBTB5ML008	5 ml	36*36*60	20 mm 2-port cap	Outer tubing 1: thermoplastic tubing, 1/8"*1/4", 30 cm, plug
BIOGBTA20ML008	BIOGBTB20ML008	20 ml	36*36*80		Outer tubing 2: silicone tubing, 1/8"*1/4", 10 cm, hydrophobic filter
BIOGBTA50ML008	BIOGBTB50ML008	50 ml	45*45*85		Inner tubing: silicone tubing, 1/8"*1/4", bottoming
BIOGBTA125ML008	BIOGBTB125ML008	125 ml	54*54*120	38 mm 2-port cap	Outer tubing 1: thermoplastic tubing, 1/4"*7/16", 30 cm, plug
BIOGBTA250ML008	BIOGBTB250ML008	250 ml	68*68*140		Outer tubing 2: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter
BIOGBTA500ML008	BIOGBTB500ML008	500 ml	74*74*190		Inner tubing: silicone tubing, 1/8"*1/4", bottoming
BIOGBTA1L008	BIOGBTB1L008	1 L	98*98*220	48 mm 2-port cap	Outer tubing 1: thermoplastic tubing, 1/4"*7/16", 30 cm, plug
BIOGBTA2L008	BIOGBTB2L008	2 L	114*114*286		Outer tubing 2: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter
BIOGBTA5L008	BIOGBTB5L008	5 L	180*180*332	80 mm 2-port cap	Inner tubing: silicone tubing, 1/4"*7/16", bottoming



Storage bottle with 2-port cap (with silicone tubing)

Product code - sterile	Product code - non-sterile	Volume	Dimension L*W*H (mm)	Cap	Line
BIOGBTA5ML009	BIOGBTB5ML009	5 ml	36*36*60	20 mm 2-port cap	Outer tubing 1: silicone tubing with metal ring, 1/8"*1/4", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/8"*1/4", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/8"*1/4", bottoming
BIOGBTA20ML009	BIOGBTB20ML009	20 ml	36*36*80		
BIOGBTA50ML009	BIOGBTB50ML009	50 ml	45*45*85		
BIOGBTA125ML009	BIOGBTB125ML009	125 ml	54*54*120	38 mm 2-port cap	Outer tubing 1: silicone tubing with metal ring, 1/4"*7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/8"*1/4", bottoming
BIOGBTA250ML009	BIOGBTB250ML009	250 ml	68*68*140		
BIOGBTA500ML009	BIOGBTB500ML009	500 ml	74*74*190		
BIOGBTA1L009	BIOGBTB1L009	1 L	98*98*220	48 mm 2-port cap	Outer tubing 1: silicone tubing with metal ring, 1/4"*7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/4"*7/16", bottoming
BIOGBTA2L009	BIOGBTB2L009	2 L	114*114*286		
BIOGBTA5L009	BIOGBTB5L009	5 L	180*180*332	80 mm 2-port cap	Outer tubing 1: silicone tubing with metal ring, 3/8"*5/8", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 3/8"*5/8", 15 cm, hydrophobic filter Inner tubing: silicone tubing, 1/4"*7/16", bottoming



Storage bottle with 3-port cap (with welded tubing)

Product code - sterile	Product code - non-sterile	Volume	Dimension L*W*H (mm)	Cap	Line
BIOGBTA5ML010	BIOGBTB5ML010	5 ml	36*36*60	20 mm 3-port cap	Outer tubings 1 & 2: thermoplastic tubing, 1/8"*1/4", 30 cm, plug Outer tubing 3: silicone tubing, 1/8"*1/4", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/8"*1/4, bottoming
BIOGBTA20ML010	BIOGBTB20ML010	20 ml	36*36*80		
BIOGBTA50ML010	BIOGBTB50ML010	50 ml	45*45*85		
BIOGBTA125ML010	BIOGBTB125ML010	125 ml	54*54*120	38 mm 3-port cap	Outer tubings 1 & 2: thermoplastic tubing, 1/4"*7/16", 30 cm, plug Outer tubing 3: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/8"*1/4, bottoming
BIOGBTA250ML010	BIOGBTB250ML010	250 ml	68*68*140		
BIOGBTA500ML010	BIOGBTB500ML010	500 ml	74*74*190		
BIOGBTA1L010	BIOGBTB1L010	1 L	98*98*220	48 mm 3-port cap	Outer tubings 1 & 2: thermoplastic tubing, 1/4"*7/16", 30 cm, plug Outer tubing 3: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/4"*7/16", bottoming
BIOGBTA2L010	BIOGBTB2L010	2 L	114*114*286		
BIOGBTA5L010	BIOGBTB5L010	5 L	180*180*332	80 mm 3-port cap	Outer tubings 1 & 2: thermoplastic tubing, 3/8"*5/8", 30 cm, plug Outer tubing 3: silicone tubing, 3/8"*5/8", 15 cm, hydrophobic filter Inner tubing: silicone tubing, 1/4"*7/16", bottoming



Storage bottle with 3-port cap (with silicone tubing)

Product code - sterile	Product code - non-sterile	Volume	Dimension L*W*H (mm)	Cap	Line
BIOGBTA5ML011	BIOGBTB5ML011	5 ml	36*36*60	20 mm 3-port cap	Outer tubing 1: silicone tubing with metal ring, 1/8"*1/4", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/8"*1/4", 10 cm, hydrophobic filter Outer tubing 3: silicone tubing with metal ring, 1/8"*1/4", 30 cm, MPC-Male Inner tubing: silicone tubing, 1/8"*1/4", bottoming
BIOGBTA20ML011	BIOGBTB20ML011	20 ml	36*36*80		
BIOGBTA50ML011	BIOGBTB50ML011	50 ml	45*45*85		
BIOGBTA125ML011	BIOGBTB125ML011	125 ml	54*54*120	38 mm 3-port cap	Outer tubing 1: silicone tubing with metal ring, 1/4"*7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter Outer tubing 3: silicone tubing with metal ring, 1/4"*7/16", 30 cm, MPC-Male Inner tubing: silicone tubing, 1/8"*1/4", bottoming
BIOGBTA250ML011	BIOGBTB250ML011	250 ml	68*68*140		
BIOGBTA500ML011	BIOGBTB500ML011	500 ml	74*74*190		
BIOGBTA1L011	BIOGBTB1L011	1 L	98*98*220	48 mm 3-port cap	Outer tubing 1: silicone tubing with metal ring, 1/4"*7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter Outer tubing 3: silicone tubing with metal ring, 1/4"*7/16", 30 cm, MPC-Male Inner tubing: silicone tubing, 1/4"*7/16", bottoming
BIOGBTA2L011	BIOGBTB2L011	2 L	114*114*286		
BIOGBTA5L011	BIOGBTB5L011	5 L	180*180*332	80 mm 3-port cap	Outer tubing 1: silicone tubing with metal ring, 3/8*5/8", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 3/8*5/8", 15 cm, hydrophobic filter Outer tubing 3: silicone tubing with metal ring, 3/8*5/8", 30 cm, MPC-Male Inner tubing: silicone tubing, 1/4"*7/16", bottoming



Cap - no tubing



Product code - sterile	Product description	Line
BIOBGCAP200001	20 mm, regular	No port, no tubing
BIOBGCAP380001	38 mm, regular	
BIOBGCAP480001	48 mm, regular	
BIOBGCAP800001	80 mm, regular	
BIOBGCAP202001	20 mm, 2-port	2 ports, no tubing; 1/8" * 2, inner 1/8" * 2
BIOBGCAP382001	38 mm, 2-port	2 ports, no tubing; 1/4" x 2, inner 1/8" x 2
BIOBGCAP482001	48 mm, 2-port	2 ports, no tubing; 1/4" * 2, inner 1/4" * 2
BIOBGCAP802001	80 mm, 2-port	2 ports, no tubing; 1/4" * 2, inner 1/4" * 2
BIOBGCAP203001	20 mm, 3-port	3 ports, no tubing; 1/8" * 3, inner 1/8" * 2
BIOBGCAP383001	38 mm, 3-port	3 ports, no tubing; 1/4" * 3, inner 1/8" * 2
BIOBGCAP483001	48 mm, 3-port	3 ports, no tubing; 1/4" * 3, inner 1/4" * 2
BIOBGCAP803001	80 mm, 3-port	3 ports, no tubing; 1/4" * 3, inner 1/4" * 2

Product code - non-sterile	Product Description	Line
BIOBGCBP200001	20 mm, regular	No port, no tubing
BIOBGCBP380001	38 mm, regular	
BIOBGCBP480001	48 mm, regular	
BIOBGCBP800001	80 mm, regular	
BIOBGCBP202001	20 mm, 2-port	2 ports, no tubing; 1/8" * 2, inner 1/8" * 2
BIOBGCBP382001	38 mm, 2-port	2 ports, no tubing; 1/4" x 2, inner 1/8" x 2
BIOBGCBP482001	48 mm, 2-port	2 ports, no tubing; 1/4" * 2, inner 1/4" * 2
BIOBGCBP802001	80 mm, 2-port	2 ports, no tubing; 1/4" * 2, inner 1/4" * 2
BIOBGCBP203001	20 mm, 3-port	3 ports, no tubing; 1/8" * 3, inner 1/8" * 2
BIOBGCBP383001	38 mm, 3-port	3 ports, no tubing; 1/4" * 3, inner 1/8" * 2
BIOBGCBP483001	48 mm, 3-port	3 ports, no tubing; 1/4" * 3, inner 1/4" * 2
BIOBGCBP803001	80 mm, 3-port	3 ports, no tubing; 1/4" * 3, inner 1/4" * 2

Cap - with silicone tubing

Product code - sterile	Product code - non-sterile	Product Description	Line
BIOBGCAP202002	BIOBGCBP202002	20 mm, 2-port	Outer tubing 1: silicone tubing with metal ring, 1/8" x 1/4", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/8" x 1/4", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/8" x 1/4", bottoming
BIOBGCAP382002	BIOBGCBP382002	38 mm, 2-port	Outer tubing 1: silicone tubing with metal ring, 1/4" x 7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4" x 7/16", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/8" x 1/4", bottoming
BIOBGCAP482002	BIOBGCBP482002	48 mm, 2-port	Outer tubing 1: silicone tubing with metal ring, 1/4" x 7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4" x 7/16", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/4" x 7/16", bottoming
BIOBGCAP802002	BIOBGCBP802002	80 mm, 2-port	Outer tubing 1: silicone tubing with metal ring, 1/4" x 7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4" x 7/16", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/4" x 7/16", bottoming
BIOBGCAP203002	BIOBGCBP203002	20 mm, 3-port	Outer tubing 1: silicone tubing with metal ring, 1/8" x 1/4", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/8" x 1/4", 10 cm, hydrophobic filter Outer tubing 3: silicone tubing with metal ring, 1/8" x 1/4", 30 cm, MPC-Male Inner tubing: silicone tubing, 1/8" x 1/4", bottoming
BIOBGCAP383002	BIOBGCBP383002	38 mm, 3-port	Outer tubing 1: silicone tubing with metal ring, 1/4" x 7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4" x 7/16", 10 cm, hydrophobic filter Outer tubing 3: silicone tubing with metal ring, 1/4" x 7/16", 30 cm, MPC-Male Inner tubing: silicone tubing, 1/8" x 1/4", bottoming
BIOBGCAP483002	BIOBGCBP483002	48 mm, 3-port	Outer tubing 1: silicone tubing with metal ring, 1/4" x 7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4" x 7/16", 10 cm, hydrophobic filter Outer tubing 3: silicone tubing with metal ring, 1/4" x 7/16", 30 cm, MPC-Male Inner tubing: silicone tubing, 1/4" x 7/16", bottoming
BIOBGCAP803002	BIOBGCBP803002	80 mm, 3-port	Outer tubing 1: silicone tubing with metal ring, 1/4" x 7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4" x 7/16", 10 cm, hydrophobic filter Outer tubing 3: silicone tubing with metal ring, 1/4" x 7/16", 30 cm, MPC-Male Inner tubing: silicone tubing, 1/4" x 7/16", bottoming



Cap - with welder tubing

Product code - sterile	Product code - non-sterile	Product Description	Line
BIOBGCAP202003	BIOBGCBP202003	20 mm, 2-port	Outer tubing 1: thermoplastic tubing, 1/8"*1/4", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/8"*1/4", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/8"*1/4", bottoming
BIOBGCAP382003	BIOBGCBP382003	38 mm, 2-port	Outer tubing 1: thermoplastic tubing, 1/4"*7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/8"*1/4", bottoming
BIOBGCAP482003	BIOBGCBP482003	48 mm, 2-port	Outer tubing 1: thermoplastic tubing, 1/4"*7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/4"*7/16", bottoming
BIOBGCAP802003	BIOBGCBP802003	80 mm, 2-port	Outer tubing 1: thermoplastic tubing, 1/4"*7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/4"*7/16", bottoming
BIOBGCAP203003	BIOBGCBP20-3-003	20 mm, 3-port	Outer tubings 1 & 2: C-Flex tubing, 1/8"*1/4", 30 cm, plug Outer tubing 3: silicone tubing, 1/8"*1/4", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/8"*1/4", bottoming
BIOBGCAP383003	BIOBGCBP383003	38 mm, 3-port	Outer tubing 1: thermoplastic tubing, 1/4"*7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter Outer tubing 3: thermoplastic tubing, 1/4"*7/16", 30 cm, MPC-Male Inner tubing: silicone tubing, 1/8"*1/4", bottoming
BIOBGCAP483003	BIOBGCBP483003	48 mm, 3-port	Outer tubing 1: thermoplastic tubing, 1/4"*7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter Outer tubing 3: thermoplastic tubing, 1/4"*7/16", 30 cm, MPC-Male Inner tubing: silicone tubing, 1/4"*7/16", bottoming
BIOBGCAP803003	BIOBGCBP803003	80 mm, 3-port	Outer tubing 1: thermoplastic tubing, 1/4"*7/16", 30 cm, MPC-Female Outer tubing 2: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter Outer tubing 3: thermoplastic tubing, 1/4"*7/16", 30 cm, MPC-Male Inner tubing: silicone tubing, 1/4"*7/16", bottoming

