



# BioHub®

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## Single-Use Storage Bottle



## BioHub® Single-Use Storage Bottle

BioHub® 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 BioHub® 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 BioLink 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-20 L
- No additives, irradiated natural discoloration
- Fully validated to ensure safety
- Can be stored at  $-80^{\circ}\text{C}$
- Resistant to moist heat sterilization at  $121^{\circ}\text{C}$  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
- USP <665> and BPOG



## Ordering Information

Bottle with regular cap

Cat. No. - sterile	Cat. No. - non-sterile	Volume	Dimension L*W*H (mm)	Package	Cap
BTA5ML001	BTB5ML001	5 mL	36*36*60	200	
BTA20ML001	BTB20ML001	20 mL	36*36*80	200	20 mm regular cap
BTA50ML001	BTB50ML001	50 mL	45*45*85	120	
BTA125ML001	BTB125ML001	125 mL	54*54*120	60	
BTA250ML001	BTB250ML001	250 mL	68*68*140	40	38 mm regular cap
BTA500ML001	BTB500ML001	500 mL	74*74*190	20	
BTA1L001	BTB1L001	1 L	98*98*220	25	
BTA2L001	BTB2L001	2 L	114*114*286	16	48 mm regular cap
BTA5L001	BTB5L001	5 L	180*180*332	6	80 mm regular cap
BTA10L001	BTB10L001	10 L	225*225*337	4	
BTA20L001	BTB20L001	20 L	255*255*493	2	48 mm regular cap



## Storage bottle with 2-port cap (no tubing)

Cat. No. - sterile	Cat. No. - non-sterile	Volume	Dimension L*W*H (mm)	Package	Cap
BTA5ML002	BTB5ML002	5 mL	36*36*60	200	
BTA20ML002	BTB20ML002	20 mL	36*36*80	200	20 mm 2-port cap, no tubing
BTA50ML002	BTB50ML002	50 mL	45*45*85	120	
BTA125ML002	BTB125ML002	125 mL	54*54*120	60	
BTA250ML002	BTB250ML002	250 mL	68*68*140	40	38 mm 2-port cap, no tubing
BTA500ML002	BTB500ML002	500 mL	74*74*190	20	
BTA1L002	BTB1L002	1 L	98*98*220	25	48 mm 2-port cap, no tubing
BTA2L002	BTB2L002	2 L	114*114*286	16	
BTA5L002	BTB5L002	5 L	180*180*332	6	80 mm 2-port cap, no tubing
BTA10L002	BTB10L002	10 L	225*225*337	4	48 mm 2-port cap, no tubing
BTA20L002	BTB20L002	20 L	255*255*493	2	



## Storage bottle with 3-port cap (no tubing)

Cat. No. - sterile	Cat. No. - non-sterile	Volume	Dimension L*W*H (mm)	Package	Cap
BTA5ML003	BTB5ML003	5 mL	36*36*60	200	
BTA20ML003	BTB20ML003	20 mL	36*36*80	200	20 mm 3-port cap, no tubing
BTA50ML003	BTB50ML003	50 mL	45*45*85	120	
BTA125ML003	BTB125ML003	125 mL	54*54*120	60	
BTA250ML003	BTB250ML003	250 mL	68*68*140	40	38 mm 3-port cap, no tubing
BTA500ML003	BTB500ML003	500 mL	74*74*190	20	
BTA1L003	BTB1L003	1 L	98*98*220	25	
BTA2L003	BTB2L003	2 L	114*114*286	16	48 mm 3-port cap, no tubing
BTA5L003	BTB5L003	5 L	180*180*332	6	80 mm 3-port cap, no tubing
BTA10L003	BTB10L003	10 L	225*225*337	4	
BTA20L003	BTB20L003	20 L	255*255*493	2	48 mm 3-port cap, no tubing



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

Cat. No. - sterile	Cat. No. - non-sterile	Volume	Dimension L*W*H (mm)	Cap	Line
BTA5ML008	BTB5ML008	5 mL	36*36*60	20 mm 2-port cap	Outer tubing 1: thermoplastic tubing, 1/8"*1/4", 30 cm, plug Outer tubing 2: silicone tubing, 1/8"*1/4", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/8"*1/4", bottoming
BTA20ML008	BTB20ML008	20 mL	36*36*80		
BTA50ML008	BTB50ML008	50 mL	45*45*85		
BTA125ML008	BTB125ML008	125 mL	54*54*120	38 mm 2-port cap	Outer tubing 1: thermoplastic tubing, 1/4"*7/16", 30 cm, plug Outer tubing 2: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/8"*1/4", bottoming
BTA250ML008	BTB250ML008	250 mL	68*68*140		
BTA500ML008	BTB500ML008	500 mL	74*74*190		
BTA1L008	BTB1L008	1 L	98*98*220	48 mm 2-port cap	Outer tubing 1: thermoplastic tubing, 1/4"*7/16", 30 cm, plug Outer tubing 2: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter Inner tubing: silicone tubing, 1/4"*7/16", bottoming
BTA2L008	BTB2L008	2 L	114*114*286		
BTA5L008	BTB5L008	5 L	180*180*332	80 mm 2-port cap	Outer tubing 1: thermoplastic tubing, 3/8"*5/8", 30 cm, plug Outer tubing 2: silicone tubing, 3/8"*5/8", 15 cm, hydrophobic filter Inner tubing: silicone tubing, 1/4"*7/16", bottoming
BTA10L008	BTB10L008	10 L	225*225*337	48 mm 2-port cap	Outer tubing 1: thermoplastic tubing, 1/4" *7/16", 30cm, plug Outer tubing 2: silicone tubing, 1/4" * 7/16", 10cm, hydrophobic filter Inner tubing: silicone tubing, 1/4" * 7/16", bottoming
BTA20L008	BTB20L008	20 L	255*255*493		



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

Cat. No. - sterile	Cat. No. - non-sterile	Volume	Dimension L*W*H (mm)	Cap	Line
BTA5ML009	BTB5ML009	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
BTA20ML009	BTB20ML009	20 mL	36*36*80		
BTA50ML009	BTB50ML009	50 mL	45*45*85		
BTA125ML009	BTB125ML009	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
BTA250ML009	BTB250ML009	250 mL	68*68*140		
BTA500ML009	BTB500ML009	500 mL	74*74*190		
BTA1L009	BTB1L009	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
BTA2L009	BTB2L009	2 L	114*114*286		
BTA5L009	BTB5L009	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
BTA10L009	BTB10L009	10 L	225*225*337	48 mm 2-port cap	Outer tubing 1: silicone tubing with metal ring, 1/4"*7/16", 30cm, MPC-Female Outer tubing 2: silicone tubing, 1/4"*7/16", 10cm, hydrophobic filter Inner tubing: silicone tubing, 1/4"*7/16", bottoming
BTA20L009	BTB20L009	20 L	255*255*493		



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

Cat. No. - sterile	Cat. No. - non-sterile	Volume	Dimension L*W*H (mm)	Cap	Line
BTA5ML010	BTB5ML010	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
BTA20ML010	BTB20ML010	20 mL	36*36*80		
BTA50ML010	BTB50ML010	50 mL	45*45*85		
BTA125ML010	BTB125ML010	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
BTA250ML010	BTB250ML010	250 mL	68*68*140		
BTA500ML010	BTB500ML010	500 mL	74*74*190		
BTA1L010	BTB1L010	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
BTA2L010	BTB2L010	2 L	114*114*286		
BTA5L010	BTB5L010	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
BTA10L010	BTB10L010	10 L	225*225*337	48 mm 3-port cap	Outer tubing 1 & 2: thermoplastic tubing, 1/4"*7/16", 30cm, plug Outer tubing 3: silicone tubing, 1/4" * 7/16", 10cm, hydrophobic filter Inner tubing: silicone tubing, 1/4" * 7/16", bottoming
BTA20L010	BTB20L010	20 L	255*255*493		





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

Cat. No. - sterile	Cat. No. - non-sterile	Volume	Dimension L*W*H (mm)	Cap	Line
BTA5ML011	BTB5ML011	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
BTA20ML011	BTB20ML011	20 mL	36*36*80		Outer tubing 2: silicone tubing, 1/8"*1/4", 10 cm, hydrophobic filter
BTA50ML011	BTB50ML011	50 mL	45*45*85		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
BTA125ML011	BTB125ML011	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
BTA250ML011	BTB250ML011	250 mL	68*68*140		Outer tubing 2: silicone tubing, 1/4"*7/16", 10 cm, hydrophobic filter
BTA500ML011	BTB500ML011	500 mL	74*74*190		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
BTA1L011	BTB1L011	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
BTA2L011	BTB2L011	2 L	114*114*286		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
BTA5L011	BTB5L011	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
BTA10L011	BTB10L011	10 L	225*225*337	48 mm 3-port cap	Outer tubing 1: silicone tubing with metal ring, 1/4"*7/16", 30cm, MPC-Female
BTA20L011	BTB20L011	20 L	255*255*493		Outer tubing 2: silicone tubing, 1/4"*7/16", 10cm, hydrophobic filter Outer tubing 3: silicone tubing with metal ring, 1/4"*7/16", 30cm, MPC-Male Inner tubing: silicone tubing, 1/4"*7/16", bottoming





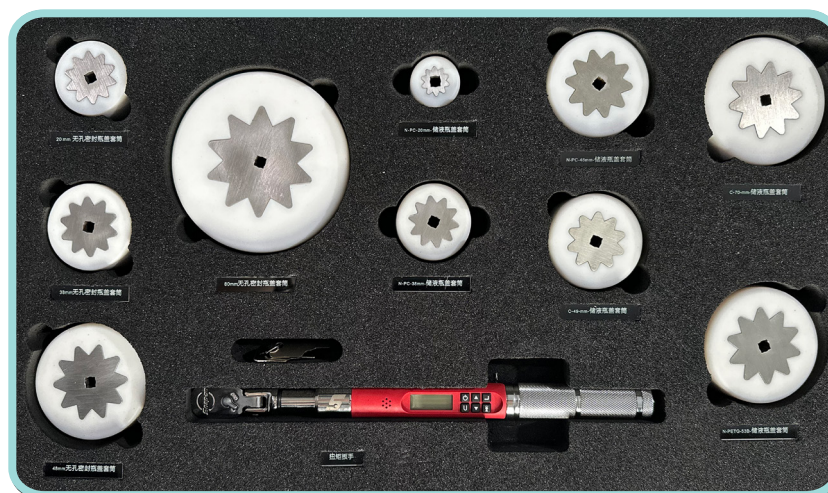
Cap - no tubing

Cat. No. - Sterile	Product description	Line
CAP20-0-001	20 mm, regular	No port, no tubing
CAP38-0-001	38 mm, regular	
CAP48-0-001	48 mm, regular	
CAP80-0-001	80 mm, regular	
CAP20-2-001	20 mm, 2-port	2 ports, no tubing; 1/8" * 2, inner 1/8" * 2
CAP38-2-001	38 mm, 2-port	2 ports, no tubing; 1/4" x 2, inner 1/8" x 2
CAP48-2-001	48 mm, 2-port	2 ports, no tubing; 1/4"*2, inner 1/4"*2
CAP80-2-001	80 mm, 2-port	2 ports, no tubing; 1/4" * 2, inner 1/4" * 2
CAP20-3-001	20 mm, 3-port	3 ports, no tubing; 1/8"*3, inner 1/8"*2
CAP38-3-001	38 mm, 3-port	3 ports, no tubing; 1/4"*3, inner 1/8"*2
CAP48-3-001	48 mm, 3-port	3 ports, no tubing; 1/4"*3, inner 1/4"*2
CAP80-3-001	80 mm, 3-port	3 ports, no tubing; 1/4" * 3, inner 1/4" * 2

Cat. No. - Non-sterile	Product Description	Line
CBP20-0-001	20 mm, regular	No port, no tubing
CBP38-0-001	38 mm, regular	
CBP48-0-001	48 mm, regular	
CBP80-0-001	80 mm, regular	
CBP20-2-001	20 mm, 2-port	2 ports, no tubing; 1/8" * 2, inner 1/8" * 2
CBP38-2-001	38 mm, 2-port	2 ports, no tubing; 1/4" x 2, inner 1/8" x 2
CBP48-2-001	48 mm, 2-port	2 ports, no tubing; 1/4"*2, inner 1/4"*2
CBP80-2-001	80 mm, 2-port	2 ports, no tubing; 1/4" * 2, inner 1/4" * 2
CBP20-3-001	20 mm, 3-port	3 ports, no tubing; 1/8"*3, inner 1/8"*2
CBP38-3-001	38 mm, 3-port	3 ports, no tubing; 1/4"*3, inner 1/8"*2
CBP48-3-001	48 mm, 3-port	3 ports, no tubing; 1/4"*3, inner 1/4"*2
CBP80-3-001	80 mm, 3-port	3 ports, no tubing; 1/4" * 3, inner 1/4" * 2

## BioHub® Storage Bottle Tool Kit

In biopharmaceutical process, the storage of process liquids, especially bulk drug substances, is crucial. To ensure the sealing integrity between the storage bottle and the cap, and to meet PDA No. 90 requirements, BioLink has launched BioHub® Storage Bottle Tool Kit (including a cap sleeve and a torque wrench). Using the tool kit, tighten the bottle cap to ensure the seal of the storage bottle, maintain the stability of the liquid properties, and avoid the risk of damaging the cap by using the appropriate validated torque.



### Validation:

- Seal Integrity Test: Tighten the cap with a preset torque, maintain under 25 kPa pressure for 5 minutes, no leakage produced
- Torque Test: Use torque twice the recommended value, no damage observed
- Durability Test: Repeat tightening and loosening 50 times, no visible foreign objects produced

### Technical Parameters Torque Wrench:

Model	BCTW12NM	BCTW34NM
Length (mm)		295
Range (in-lbs)	4-100	15-300
Range (N·m)	0.45-11.29	1.69-33.89
Accuracy (at 22°C)		2%
Graduation		0.1
Operating Temperature (°C)		-18-54
Drive Size		1/4"
Gear Structure		72 teeth

## Ordering Information: BioHub® Series

Cat. No.	Product Name	Drive Size	Note	Note
BCTWB01	Storage Bottle Tool kit	1/4"	NA	Including 4 sizes of BioHub® caps and BCTW34NM torque wrench
BCTWB02	Storage Bottle Tool kit	1/4"	NA	Including 4 sizes of BioHub® caps and BCTW12NM torque wrench
BCTW34NM	Torque Wrench	1/4"	NA	/
BCTW12NM	Torque Wrench	1/4"	NA	/
BCTWK20	20 mm Holeless Cap Sleeve	1/4"	PTFE + Stainless steel	/
BCTWK38	38 mm Holeless Cap Sleeve	1/4"	PTFE + Stainless steel	/
BCTWK48	48 mm Holeless Cap Sleeve	1/4"	PTFE + Stainless steel	/
BCTWK80	80 mm Holeless Cap Sleeve	1/4"	PTFE + Stainless steel	/

## Ordering Information: Other Series

Cat. No.	Product Name	Drive Size	Note	Note
BCTWK20NPC	N-PC-20 mm Cap Sleeve	1/4"	PTFE + Stainless steel	/
BCTWK38NPC	N-PC-38 mm Cap Sleeve	1/4"	PTFE + Stainless steel	/
BCTWK48NPC	N-PC-48 mm Cap Sleeve	1/4"	PTFE + Stainless steel	/
BCTWK53BPETG	N-PETG-53B Cap Sleeve	1/4"	PTFE + Stainless steel	/
BCTWK49C	C-49 mm Cap Sleeve	1/4"	PTFE + Stainless steel	/
BCTWK70C	C-70 mm Cap Sleeve	1/4"	PTFE + Stainless steel	/

## Recommended Parameters: BioHub® Storage Bottle Caps

Product Name	Suitable Cap	Suitable Storage Bottle	Recommended Torque
20 mm Holeless Cap Sleeve	5-50 mL Cap	5mL-50mL	2 N·m
38 mm Holeless Cap Sleeve	125-500 mL Cap	125mL-500mL	3.8 N·m
48 mm Holeless Cap Sleeve	1-2 L Cap	1L-2L	4.8 N·m
	10 L-20 L Cap	10L-20L	
80 mm Holeless Cap Sleeve	5 L Cap	5L	8 N·m

**Note:** The usage torque range for the bottle cap is 80%-120% of the recommended torque. For any other custom requirements, please contact local sales and technical support.



[www.biolink.com](http://www.biolink.com)



## About BioLink

BioLink is a group of technology-driven businesses that provide process solutions in the life sciences industry. The company focuses on the development and production of the key processing equipment and consumables used in the manufacturing process of recombinant protein drugs, vaccines, antibodies, cell therapies, gene therapies, and other biological products. BioLink's portfolio of offerings covers the entire upstream and downstream bioprocess such as cell culture, single-use mixing and storage, chromatography, filtration (ultrafiltration/diafiltration, clarification, and virus removal), and hydration products, as well as process development services. BioLink is committed to providing customers with high-quality, innovative products and solutions and strives to build an efficient, safe and competitive biopharmaceutical supply chain eco-system.

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Document No.: BLK-BR-20240726-02-EN