

Lifecube™ SSB Single-use Bottles

Sterile Transfer Containers



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Lifecube™ SSB single-use bottles meet the needs of liquid storage, transfer, sampling, package, and freezing in most bioprocess. The bottles are equipped with a high-strength threaded design to avoid the risk of leakage during transfer and storage.



Advantages

- Precise scale by blow molding technology
- Various cap sizes available
- ADCF raw materials
- Good chemical compatibility
- Excellent impact resistance
- Complete validation documents
- Particles matter far below USP <788> standards
- Customized service

Applications

- Sterile liquid storage or transfer
- Cell culture medium harvesting
- Sterile sampling
- Drug freeze-thaw
- Closed liquid import

Specifications

Products	PETG single-use bottles	PC single-use bottles
		
Bottle Material	PETG	PC
Volume	30 mL: 38.0 × 38.0 × 60.6	125 mL: 52.0 × 52.0 × 104.0
Bottle Dimensions L×W×H (mm)	60 mL: 40.0 × 40.0 × 80.5 125 mL: 52.0 × 52.0 × 104.0 250 mL: 58.0 × 58.0 × 141.0 500 mL: 73.0 × 73.0 × 171.5 1 L: 93.0 × 93.0 × 213.5	250 mL: 58.0 × 58.0 × 141.0 500 mL: 73.0 × 73.0 × 171.5 1 L: 93.0 × 93.0 × 213.5 2 L: 114.0 × 114.0 × 265.0
Temperature Range	-40 to 60°C	-80 to 121°C
Sterilization	Can be gamma irradiated at 25-45 kGy in sterile package	Can be gamma irradiated at 25-45 kGy in sterile package Or be autoclaved for 30 min at 121°C
Features	High transparency UV resistance Good gas barrier properties	Great low-temperature resistance Can be autoclaved Great impact resistance
Applications	Culture media, buffer storage and transfer Serum storage and transfer Sterile transfer Sterile sampling	Low-temperature storage of vaccines, antibodies, and other drugs Freeze-thaw and freeze storage of drugs Drug repackaging Sterile transfer

Specifications II

Products	24 mm Caps	38 mm Caps
		
Specification	Sealing cap Cap with 2 ports: Outer ports: 1/8"-1/8"HB Inner port: 1/8"	Sealing cap Cap with 2 ports: Outer ports: 1/4"-1/8"HB Inner port: 1/8" Cap with 3 ports: Outer ports: 1/4"-1/4"-1/8"HB Inner port: 1/8"-1/8"
Material*	Sealing cap: HDPE Cap with 2 ports: PP	Sealing cap: PP (suitable for PC bottles) HDPE (suitable for PETG bottles) Cap with 2 ports: PP Cap with 3 ports: PP
Suitable bottle volume	30/60mL	125 mL/250 mL/500 mL/1 L
Sterilization**	PP : Can be sterilized by gamma irradiation at 25-45kGy or autoclaved for 30 minutes at 121°C HDPE: Can be sterilized by gamma irradiation at 25-45kGy	
Products	54 mm Caps	38 mm Molded Silicone Seal Cap
		
Specification	Sealing cap Cap with 2 ports: Outer ports: 1/4"-1/4"HB Inner port: 1/4" Cap with 3 ports: Outer ports: 1/4"-1/4"-1/4"HB Inner port: 1/4"-1/4"	Cap with 2 ports: Outer ports: ID 1/8", ID 1/4" Inner port: ID 1/4" Cap with 3 ports: Outer ports: ID 1/8", ID 1/4", ID 1/4" Inner port: ID 1/4", ID 1/4"
Material*	Cap: PP Gasket: Silicone	Cap: PP Tubing: Pt-cured silicone Molded seal part: Pt-cured silicone
Suitable bottle volume	2 L	125 mL/250 mL/500 mL/1 L
Sterilization**	PP : Can be sterilized by gamma irradiation at 25-45kGy or autoclaved for 30 minutes at 121°C	

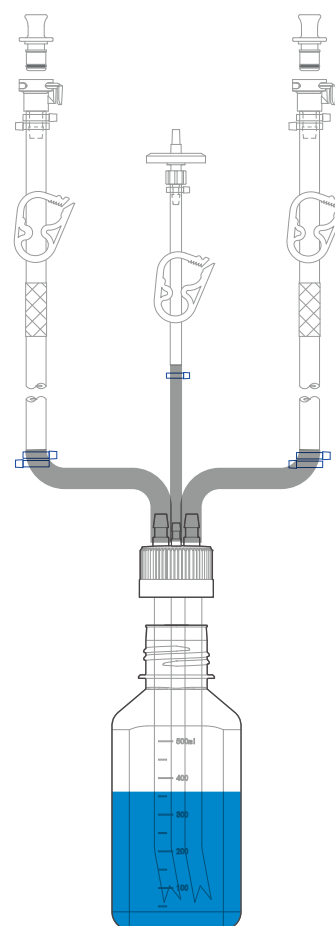
* The sealing cap of PETG bottles is made of HDPE; The sealing cap of PC bottles is made of PP; The cap with 2&3 ports of PETG and PC bottles is made of PP.

** Please completely loosen the PP bottle cap before autoclaving.

Lifecube™ SSB Single-use Bottles

Configuration

Bottle Volume	30 mL-2 L
Tubing	Lifemeta STT Pt-cured Silicone Tubing Lifemeta STF TPE Tubing Pharma-50 Pt-cured Silicone Tubing C-Flex® 374 TPE Tubing
Cap	Sealing Cap, Cap with 2 Ports, Cap with 3 Ports, Molded silicone seal cap
Connector	Lifemeta EC Easy Connector TC25/TC50 Tubing Plug CPC AsepticQuik® Sterile Connector
Vent Filter	Vent Filter
Sampling	Needlefree Swabable Valve Sampling Plug



Regulatory Compliance

Particulate Matter	Particulate matter in injections meet the requirements in USP <788> for large volume parenterals.
Bacterial Endotoxin	Endotoxin limit of WFI System< 0.25 EU/mL with the Limulus Amebocyte Lysate (LAL), USP <85>
USP <87> Cytotoxicity	Meet the requirement of current USP <87> Class VI, Biological Reactivity Test, In Vitro.
USP <88> Biological Reactivity	Meet the criteria of current USP <88> Class VI, Biological Reactivity Test, In Vivo.
Indirect Food Additive	Complies with FDA 21 CFR Part 177-182 (Indirect food additives)
Animal Derivative Content	Products do not contain animal derived components and are free from TSE risk.
Quality Assurance	Products are manufactured in a facility which adheres to ISO 9001:2015 Quality management systems.
Extractables Studies	Products follow BPOG and USP <665> guidelines for E&L studies.

Single-Use Bottles + Sealing Cap

Sterile Part No.*	Non-Sterile Part No.	Volume	Bottle Material	Cap Material	Package**
SSBC1251N	SSBC1251NN01	125 mL	PC	PP	10 pcs/pk
SSBC2501N	SSBC2501NN01	250 mL			
SSBC5001N	SSBC5001NN01	500 mL			
SSBC01L1N	SSBC01L1NN01	1 L			
SSBC02L1N	SSBC02L1NN01	2 L			
SSBG0301N	SSBG0301NN01	30 mL	PETG	HDPE	
SSBG0601N	SSBG0601NN01	60 mL			
SSBG1251N	SSBG1251NN01	125 mL			
SSBG2501N	SSBG2501NN01	250 mL			
SSBG5001N	SSBG5001NN01	500 mL			
SSBG01L1N	SSBG01L1NN01	1 L			

* The sterile version defaults to gamma irradiation for sterilization.

** The default packaging is individual double-layer package.

Single-use Bottles + Cap with 2 Ports I

Sterile Part No.	Non-Sterile Part No.	Volume	Material	Package	Cap Configuration
SSBC12512B01	SSBC12512B02	125 mL	PC	10 pcs/pk	No tubing
SSBC25012B01	SSBC25012B02	250 mL			
SSBC50012B01	SSBC50012B02	500 mL			
SSBC01L12B01	SSBC01L12B02	1 L			
SSBC02L12B01	SSBC02L12B02	2 L			
SSBG03012B01	SSBG03012B02	30 mL	PETG	10 pcs/pk	
SSBG06012B01	SSBG06012B02	60 mL			
SSBG12512B01	SSBG12512B02	125 mL			
SSBG25012B01	SSBG25012B02	250 mL			
SSBG50012B01	SSBG50012B02	500 mL			
SSBG01L12B01	SSBG01L12B02	1 L			
SSBC12512A01	SSBC12512A02	125 mL	PC	1 pcs/pk	Outer Tubing 1: 20 cm ID¼" Lifemeta™ STT Pt-cured Silicone Tubing* + Metallic Sleeve + ECS Female Connector**
SSBC25012A01	SSBC25012A02	250 mL			
SSBC50012A01	SSBC50012A02	500 mL			
SSBC01L12A01	SSBC01L12A02	1 L			
SSBG12512A01	SSBG12512A02	125 mL	PETG	1 pcs/pk	Outer Tubing 2: 10 cm ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing: ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing
SSBG25012A01	SSBG25012A02	250 mL			
SSBG50012A01	SSBG50012A02	500 mL			
SSBG01L12A01	SSBG01L12A02	1 L			
SSBC02L12A01	SSBC02L12A02	2 L	PC	1 pcs/pk	Outer Tubing 1: 20 cm ID¼" Lifemeta™ STT Pt-cured Silicone Tubing + Metallic Sleeve + ECS Female Connector Outer Tubing 2: 10 cm ID¼" Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing: ID¼" Lifemeta™ STT Pt-cured Silicone Tubing
SSBG03012A01	SSBG03012A02	30 mL	PETG	1 pcs/pk	Outer Tubing 1: 20 cm ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing + Metallic Sleeve + ECS Female Connector Outer Tubing 2: 10 cm ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing: ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing
SSBG06012A01	SSBG06012A02	60 mL			

Single-use Bottles + Cap with 2 Ports II

Sterile Part No.	Non-Sterile Part No.	Volume	Material	Package	Cap Configuration
SSBC12512A03	SSBC12512A04	125 mL	PC	1 pcs/pk	Outer Tubing 1: 40 cm ID $\frac{1}{4}$ " Lifemeta™ STF TPE Tubing*** + Tubing Plug**
SSBC25012A03	SSBC25012A04	250 mL			
SSBC50012A03	SSBC50012A04	500 mL			
SSBC01L12A03	SSBC01L12A04	1 L			
SSBG12512A03	SSBG12512A04	125 mL	PETG	1 pcs/pk	Outer Tubing 2: 10 cm ID $\frac{1}{8}$ " Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing: ID $\frac{1}{8}$ " Lifemeta™ STT Pt-cured Silicone Tubing
SSBG25012A03	SSBG25012A04	250 mL			
SSBG50012A03	SSBG50012A04	500 mL			
SSBG01L12A03	SSBG01L12A04	1 L			
SSBC02L12A03	SSBC02L12A04	2 L	PC	1 pcs/pk	Outer Tubing 1: 40 cm ID $\frac{1}{4}$ " Lifemeta™ STF TPE Tubing + Tubing Plug Outer Tubing 2: 10 cm ID $\frac{1}{4}$ " Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing: ID $\frac{1}{4}$ " Lifemeta™ STT Pt-cured Silicone Tubing
SSBG03012A03	SSBG03012A04	30 mL	PETG	1 pcs/pk	Outer Tubing 1: 40 cm ID $\frac{1}{8}$ " Lifemeta™ STF TPE Tubing + Tubing Plug Outer Tubing 2: 10 cm ID $\frac{1}{8}$ " Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing: ID $\frac{1}{8}$ " Lifemeta™ STT Pt-cured Silicone Tubing
SSBG06012A03	SSBG06012A04	60 mL			

* Other brands or lengths of silicone tubing can be selected.

** You can choose sterile connectors, easy connectors, tubing plugs, female luer locks, or other connectors.

*** Other brands or lengths of TPE tubing can be selected.



Single-use Bottles + Cap with 3 Ports

Sterile Part No.	Non-Sterile Part No.	Volume	Material	Package	Cap Configuration
SSBC12513B01	SSBC12513B02	125 mL	PC	10 pcs/pk	No tubing
SSBC25013B01	SSBC25013B02	250 mL			
SSBC50013B01	SSBC50013B02	500 mL			
SSBC01L13B01	SSBC01L13B02	1 L			
SSBC02L13B01	SSBC02L13B02	2 L			
SSBG12513B01	SSBG12513B02	125 mL	PETG	10 pcs/pk	
SSBG25013B01	SSBG25013B02	250 mL			
SSBG50013B01	SSBG50013B02	500 mL			
SSBG01L13B01	SSBG01L13B02	1 L			
SSBC02L13A01	SSBC02L13A02	2 L	PC	1 pcs/pk	Outer Tubing 1: 20 cm ID $\frac{1}{4}$ " Lifemeta™ STT Pt-cured Silicone Tubing* + Metallic Sleeve + ECS Female Connector** Outer Tubing 2: 20 cm ID $\frac{1}{4}$ " Lifemeta™ STT Pt-cured Silicone Tubing + Metallic Sleeve + ECS Female Connector Outer Tubing 3: 10 cm ID $\frac{1}{4}$ " Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing 1, 2: ID $\frac{1}{4}$ " Lifemeta™ STT Pt-cured Silicone Tubing
SSBC12513A01	SSBC12513A02	125 mL	PC	1 pcs/pk	Outer Tubing 1: 20 cm ID $\frac{1}{4}$ " Lifemeta™ STT Pt-cured Silicone Tubing + Metallic Sleeve + ECS Female Connector Outer Tubing 2: 20 cm ID $\frac{1}{4}$ " Lifemeta™ STT Pt-cured Silicone Tubing + Metallic Sleeve + ECS Female Connector Outer Tubing 3: 10 cm ID $\frac{1}{8}$ " Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing 1, 2: ID $\frac{1}{8}$ " Lifemeta™ STT Pt-cured Silicone Tubing
SSBC25013A01	SSBC25013A02	250 mL			
SSBC50013A01	SSBC50013A02	500 mL			
SSBC01L13A01	SSBC01L13A02	1 L			
SSBG12513A01	SSBG12513A02	125 mL			
SSBG25013A01	SSBG25013A02	250 mL	PETG	1 pcs/pk	
SSBG50013A01	SSBG50013A02	500 mL			
SSBG01L13A01	SSBG01L13A02	1 L			
SSBG12513A03	SSBG12513A04	125 mL			
SSBC12513A03	SSBC12513A04	125 mL	PC	1 pcs/pk	Outer Tubing 1: 40 cm ID $\frac{1}{4}$ " Lifemeta™ STF TPE Tubing*** + Tubing Plug** Outer Tubing 2: 40 cm ID $\frac{1}{4}$ " Lifemeta™ STF TPE Tubing + Tubing Plug Outer Tubing 3: 10 cm ID $\frac{1}{8}$ " Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing 1, 2: ID $\frac{1}{8}$ " Lifemeta™ STT Pt-cured Silicone Tubing
SSBC25013A03	SSBC25013A04	250 mL			
SSBC50013A03	SSBC50013A04	500 mL			
SSBC01L13A03	SSBC01L13A04	1 L			
SSBG12513A03	SSBG12513A04	125 mL			
SSBG25013A03	SSBG25013A04	250 mL	PETG	1 pcs/pk	
SSBG50013A03	SSBG50013A04	500 mL			
SSBG01L13A03	SSBG01L13A04	1 L			
SSBG12513A03	SSBG12513A04	125 mL			
SSBC02L13A03	SSBC02L13A04	2 L	PC	1 pcs/pk	Outer Tubing 1: 40 cm ID $\frac{1}{4}$ " Lifemeta™ STF TPE Tubing + Tubing Plug Outer Tubing 2: 40 cm ID $\frac{1}{4}$ " Lifemeta™ STF TPE Tubing + Tubing Plug Outer Tubing 3: 10 cm ID $\frac{1}{4}$ " Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing 1, 2: ID $\frac{1}{4}$ " Lifemeta™ STT Pt-cured Silicone Tubing

* Other brands or lengths of silicone tubing can be selected.

** You can choose sterile connectors, easy connectors, tubing plugs, female luer locks, or other connectors.

*** Other brands or lengths of TPE tubing can be selected.

Single-use Bottles + Molded silicone seal cap with 2 ports

Sterile Part No.	Non-Sterile Part No.	Volume	Bottle Material	Cap * Material	Package	Cap Configuration
SSBC12512C01	SSBC12512C02	125 mL	PC	PP	1 pcs/pk	Outer Tubing 1: ID¼" Silicone Tubing + Metallic Sleeve + ECS Female Connectorr
SSBC25012C01	SSBC25012C02	250 mL				
SSBC50012C01	SSBC50012C02	500 mL				
SSBC01L12C01	SSBC01L12C02	1 L				
SSBG12512C01	SSBG12512C02	125 mL	PETG	PP	1 pcs/pk	Outer Tubing 2: ID⅝" Silicone Tubing + Vent Filter Inner Tubing: ID¼" Silicone Tubing
SSBG25012C01	SSBG25012C02	250 mL				
SSBG50012C01	SSBG50012C02	500 mL				
SSBG01L12C01	SSBG01L12C02	1 L				

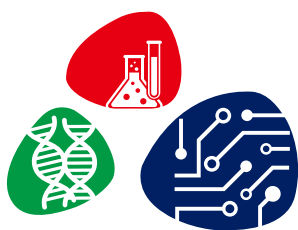
* PP bottle cap does not contact the liquid.

Single-use Bottles + Molded silicone seal cap with 3 ports

Sterile Part No.	Non-Sterile Part No.	Volume	Bottle Material	Cap * Material	Package	Cap Configuration
SSBC12513C01	SSBC12513C02	125 mL	PC	PP	1 pcs/pk	Outer Tubing 1: ID¼" Silicone Tubing + Metallic Sleeve + ECS Female Connector Outer Tubing 2: ID¼" Silicone Tubing + Metallic Sleeve + ECS Female Connector
SSBC25013C01	SSBC25013C02	250 mL				
SSBC50013C01	SSBC50013C02	500 mL				
SSBC01L13C01	SSBC01L13C02	1 L				
SSBG12513C01	SSBG12513C02	125 mL	PETG	PP	1 pcs/pk	Outer Tubing 3: ID⅝" Silicone Tubing + Vent Filter Inner Tubing 1, 2: ID¼" Silicone Tubing
SSBG25013C01	SSBG25013C02	250 mL				
SSBG50013C01	SSBG50013C02	500 mL				
SSBG01L13C01	SSBG01L13C02	1 L				

* PP bottle cap does not contact the liquid.





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* Specifications subject to change without notice.