

Mycap[®] Centrifuge Tubes



Product Information

Mycap[®] bottle closures are a one-piece, ready-to-use aseptic fluid transfer system.

The single-use design features integral tubing and a robust platinum-cured silicone seal.

Mycap[®] bottle assemblies include 15mL and 50mL centrifuge tubes, are gamma irradiated and ready for immediate use.

Applications

Mycap[®] is ideal for critical fluid-handling applications.

Mycap[®] bottle assemblies are gamma irradiated and ready for immediate use for:

- Buffer and media storage
- Buffer and media addition
- Bioreactor feeds
- Sample collection
- Bulk harvest
- Product pooling
- Bulk intermediate hold

Features	Benefits
Ready-to-use	Save time Eliminate errors
Single-use	No contamination risk
One-for-all silicone closure	Universal validation Robust and reliable performance
One-piece construction	Integral closure Easy to handle
Easy customization	Configure Mycap® to your process needs

Reduce Risk and Improve Performance

With Mycap® bottle closures, every use is its first use.

There is no risk of batch-to-batch or product-to-product cross contamination.

Mycap® bottle assemblies pass studies of container closure by bacterial immersion.

One-for-All Closure System

At last – a truly universal bottle closure system.

All Mycap® closure systems are constructed using the same high performance platinum-cured silicone seal regardless of the tubing material, tubing size, port configuration, bottle type or bottle size.

Ease validation and reduce regulatory work by implementing Mycap® throughout the production process.

Easy Implementation

Alternative bottle closure systems include a number of reusable components which are costly to implement and manage.

Regulatory agencies demand a scientifically sound validation strategy for parts cleaning, to avoid non-host or batch-to-batch contamination. The physical condition and life cycle of reused parts must be closely monitored to ensure cleaning efficacy.

Select pre-assembled and single-use Mycap® bottle assemblies to bypass the burden of validation and parts management.

Reliable Performance

The platinum-cured silicone seal of Mycap® is suitable for a range of applications.

The closure to the bottle is secure so long as the seal maintains its physical properties. Silicone maintains its elastomeric properties from -70° to 260° Celsius.

Validation demonstrates a leak-free seal when Mycap® are installed with torque force from 4in-lbs to 60in-lbs.

Manufacturing Environment

Mycap® bottle closures are constructed and packaged in an ISO 7 clean-room.

Monthly cleaning with a schedule of LpH®, Vesphene® and Spor Klensz® reduce and control viable organisms. Viable organisms are measured quarterly to monitor the effectiveness of the clean-room management and cleaning procedures and to be compliant to EU GMPs and ISO 14698.

Line clearance, weekly cleaning of equipment and work surfaces and monthly cleaning of the clean-room reduce and control non-viable particles. Non-viable readings are taken weekly to ensure 0.5 µm/m³ and 5.0 µm/m³ particles are within the ISO Class 7 acceptance criteria, per ISO 14644-1.

Quality Assurance

Mycap® bottle assemblies are manufactured in accordance with the key principles of cGMP.

Each Mycap® bottle closure is issued with a unique lot number on its Certificate of Compliance. The lot number provides full traceability to all components used and operations performed.

The Certificate of Conformance for Mycap® bottle assemblies reports compliance to:

- USP <87>: Biological reactivity tests, in Vitro
- USP <88>: Biological reactivity tests, in Vivo
- USP <788>: Particulate matter
- USP <85>: Endotoxin
- Sterility Assurance (SAL) 10⁻⁶ per ISO 11137

Shelf Life

Mycap® bottle closures, components and component resins have a shelf-life that exceeds two years.

TSE | BSE Risk

The components and materials used in construction of Mycap® bottles assemblies are treated at high temperatures and undergo chemical reactions, which far exceed the stringent requirements laid down in the documents CPMP | BWP | 1230 | 98 and WHO | CPS | VPH | 95.145 and | or EMA | 410 | 01, rev 3.

These processing conditions are considered sufficient to inactivate TSE and BSE transmitters.

Technical Data

Specifications

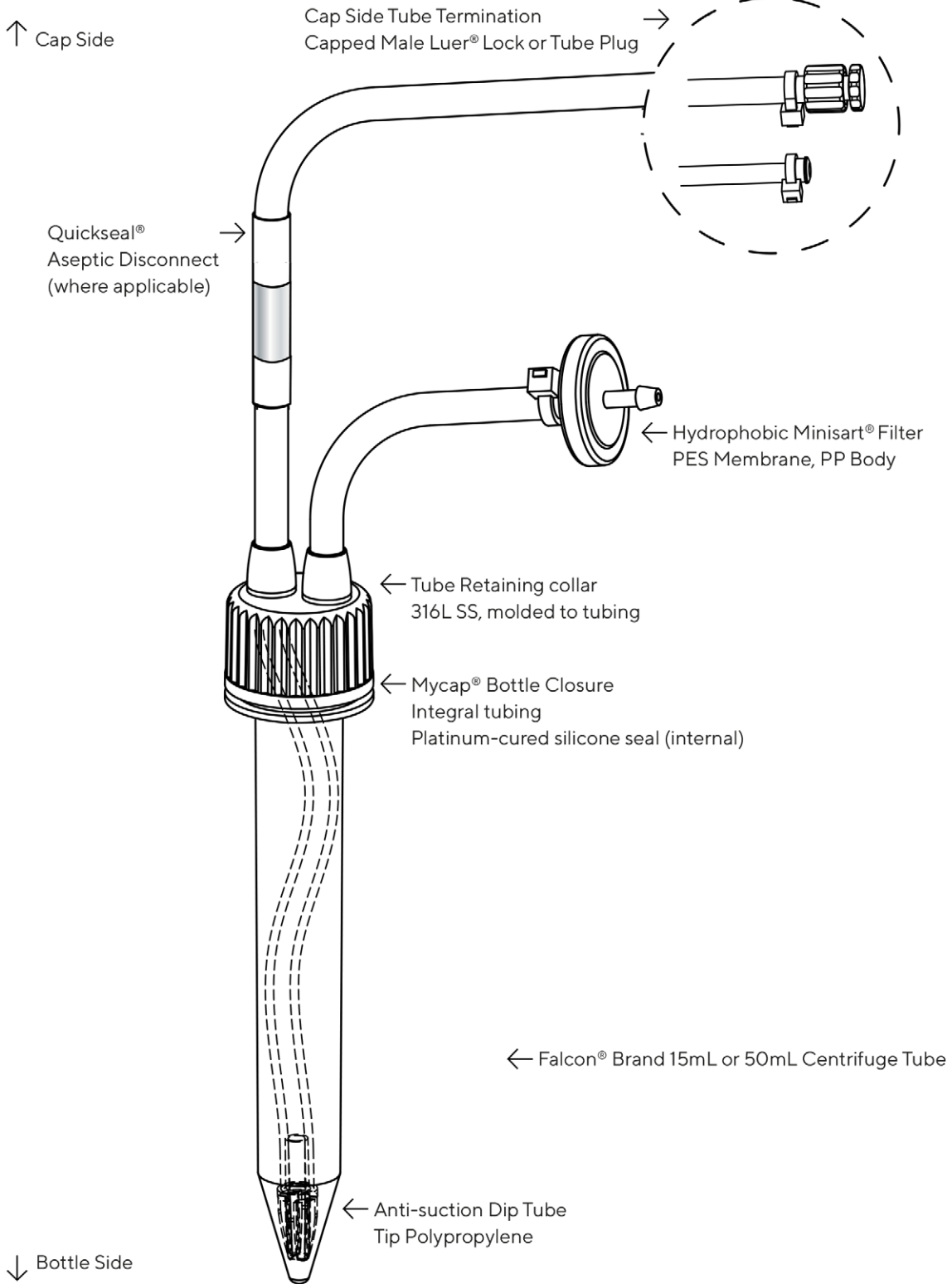
Elastomer seal	Platinum-cured silicone
Tubing	Platinum-cured silicone or C-Flex® formulation 374 or Tuflex® TPE
Cap material	Polycarbonate (not fluid contact)
Bottle style	polystyrene and polypropylene centrifuge tube
Tube ports	Inlet outlet, Air vent - 25 mm PES membrane Minisart®
Fittings	luer® lock or tube plug
Sterilization	Gamma irradiated

C-Flex® is a registered trademark of Saint-Gobain Performance Plastics Corporation

luer® is a registered trademark of Becton Dickinson

LpH®, Vesphene® Spor Klenz® are registered trademarks of STERIS Corporation

Mycap® Bottle Assembly Anatomy



Ordering Information

Series A Mycap® Bottle Assemblies

Universal design features:

- Optimized tube lengths including dip tube for fluid transfer
- Includes 15mL polystyrene or 50mL polypropylene centrifuge tube
- Platinum-cured silicone tubing
- Gamma irradiated
- Individually double bagged

Part Number	Description	Bottle Size	Port 1	Port 2	Qty/Pack
MYCAPCPSG0015A	2 port Mycap® bottle closure with 15mL centrifuge tube	15 mL	Tube Size: ⅛" ID × ¼" OD Cap Side: 7.25"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: ⅛" ID × ¼" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	1
MYCAPCPPG0050A	2 port Mycap® bottle closure with 50mL centrifuge tube	50 mL	Tube Size: ⅛" ID × ¼" OD Cap Side: 7.5"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: ⅛" ID × ¼" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	1

Series B Mycap® Bottle Closures

Universal design features:

- Optimized tube lengths including dip tube for fluid transfer
- Includes 15mL polystyrene or 50mL polypropylene centrifuge tube
- C-Flex® tubing (formulation 374)
- Gamma irradiated
- Individually double bagged

Part Number	Description	Bottle Size	Port 1	Port 2	Qty/Pack
MYCAPCPSG0015B	2 port Mycap® bottle closure with 15mL centrifuge tube	15 mL	Tube Size: 1/8" ID x 1/4" OD Cap Side: 13.25"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID x 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	1
MYCAPCPPG0050B	2 port Mycap® bottle closure with 50mL centrifuge tube	50 mL	Tube Size: 1/8" ID x 1/4" OD Cap Side: 13.5"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID x 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	1

Series C Mycap® Bottle Assemblies

Universal design features:

- Optimized tube lengths for including dip tube for fluid transfer
- Includes 15mL polystyrene or 50mL polypropylene centrifuge tube
- Platinum-cured silicone tubing
- Quickseal® aseptic disconnect
- Gamma irradiated
- Individually double bagged

Part Number	Description	Bottle Size	Port 1	Port 2	Qty/Pack
MYCAPCPG0015C	2 port Mycap® bottle closure with 15mL centrifuge tube	15 mL	Tube Size: 1/8" ID x 1/4" OD Cap Side: 7.25"; Quickseal® at 2.25"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID x 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	1
MYCAPCPPG0050C	2 port Mycap® bottle closure with 50mL centrifuge tube	50 mL	Tube Size: 1/8" ID x 1/4" OD Cap Side: 7.5"; Quickseal® at 2.5"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID x 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	1

Series D Mycap® Bottle Assemblies

Universal design features:

- Optimized tube lengths for including dip tube for fluid transfer
- Includes 15mL polystyrene or 50mL polypropylene centrifuge tube
- C-Flex® tubing (formulation 374)
- Quickseal® aseptic disconnect
- Gamma irradiated
- Individually double bagged

Part Number	Description	Bottle Size	Port 1	Port 2	Qty/Pack
MYCAPCPSG0015D	2 port Mycap® bottle closure with 15mL centrifuge tube	15 mL	Tube Size: 1/8" ID x 1/4" OD Cap Side: 13.25"; Quickseal® at 2.25"; plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID x 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	1
MYCAPCPPG0050D	2 port Mycap® bottle closure with 50mL centrifuge tube	50 mL	Tube Size: 1/8" ID x 1/4" OD Cap Side: 13.5"; Quickseal® at 2.5"; plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID x 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	1

Series E Mycap® Bottle Closures

Universal design features:

- Optimized tube lengths including dip tube for fluid transfer
- Includes 15mL polystyrene or 50mL polypropylene centrifuge tube
- Tuflux® TPE tubing (formulation 374)
- Gamma irradiated
- Individually double bagged

Part Number	Description	Bottle Size	Port 1	Port 2	Qty/Pack
MYCAPCPSG0015E	2 port Mycap® bottle closure with 15mL centrifuge tube	15 mL	Tube Size: ⅛" ID × ¼" OD Cap Side: 13.25"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: ⅛" ID × ¼" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	1
MYCAPCPPG0050E	2 port Mycap® bottle closure with 50mL centrifuge tube	50 mL	Tube Size: ⅛" ID × ¼" OD Cap Side: 13.5"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: ⅛" ID × ¼" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	1

Series F Mycap® Bottle Assemblies

Universal design features:

- Optimized tube lengths for including dip tube for fluid transfer
- Includes 15mL polystyrene or 50mL polypropylene centrifuge tube
- Tuflux® TPE tubing (formulation 374)
- Quickseal® aseptic disconnect
- Gamma irradiated
- Individually double bagged


Part Number	Description	Bottle Size	Port 1	Port 2	Qty/Pack
MYCAPCPSG0015F	2 port Mycap® bottle closure with 15mL centrifuge tube	15 mL	Tube Size: 1/8" ID x 1/4" OD Cap Side: 13.25"; Quickseal® at 2.25"; plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID x 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	1
MYCAPCPPG0050F	2 port Mycap® bottle closure with 50mL centrifuge tube	50 mL	Tube Size: 1/8" ID x 1/4" OD Cap Side: 13.5"; Quickseal® at 2.5"; plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID x 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	1

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