

## Biotainer® Bottles & Carboys

### Description

- Sterile, ready to use
- Sizes : 125 ml to 20 L
- In PETG or Polycarbonate or HDPE

*Biotainer® Bottles are the storage and transport solution for small volumes, i.e. 125 ml – 2 L.*

Commun features:

- Sterile
- Graduated
- With cap §

Specific features

PETG:

- -40°C to 70°C

PC (bluish):

- -85°C to 100°C

§ supplied with silicone rubber laminate liner (withstand autoclaving).

HDPE:

- For -85°C to RT



Volume	Ø (mm) cap	Ø (mm) neck	L x l x H Larg. x Lenght x High	Units / box	PETG Biotainer Cat.Number <i>Prices</i>	PC Biotainer <i>Prices</i>	HDPE Biotainer <i>Prices</i>
125 ml	38	26	52 x 52 x 102	100 (5 x 20) 100 (25 x 4)	3025-42 3025-00	3030-42	
500 ml	38	26	77 x 77 x 172	70 (5 x 14) 70 (2 x 35)	3005-42 3005-35		
1 L	48	37	98 x 98 x 194	35 (5 x 7) 35 (1 x 35)	3110-42 3110-35	3120-42	
2 L	48	37	116 x 116 x 262	20 (5 x 4) 20 (1 x 20)	3230-42 3230-20	3233-42	
4 L	38	26	143 x 143 x 297	24	3751-42		Inquire (a)
5 L	48	NC	NC	6	Inquire	.	

(a) HDPE 4L, No Bands – can shaped with a handle, see picture on next page

*Biotainer® Carboys are ideal for stir bar mixing, aliquoting and dispensing medium, harvesting from fermenters and processing systems, or for storage and transport of reagents.*

Commun features:

- Sterile
- With cap \*

\* supplied with HDPE cap liner (do not withstand autoclaving).



Volume	Ø (mm) cap	Ø (mm) neck	L x l x H Larg. x Lenght x High	Units / box	PETG Biotainer Cat.Number <i>Prices</i>	PC Biotainer <i>Prices</i>
5 L				6	3415-42	3405-42 (3u)
10L	48	37	250 x 250 x 335	2		3410-42
20L	48	37	250 x 250 x 492	3		3423-42

Accessories and technical information below: [bottles](#), [carboys](#), [3-ported cap](#), [specifications](#)

Contact your local distributor

[interbiotech@interchim.com](mailto:interbiotech@interchim.com)

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## Technical Information

### Biotainer bottles

Biotainer® Bottles have a square footprint for increased storage efficiency and are molded from USP Class VI plastics, either PETG or polycarbonate. Biotainer® Bottles share a common set of features.

An indented, ribbed handgrip makes it easier to handle larger bottles even when gloved.

Wide mouths (26 mm and 38 mm I.D.) allow easy access for dispensing of semi-frozen materials, or for 100 ml pipettes. Wide necks also allow smoother pouring with minimal glugging.

A drip control ring around the neck promotes neat pouring.

Biotainer® Bottles are printed to provide easy-to-read graduations. The lot number and sterility expiration date are also printed on each bottle for the maximum in convenient traceability.

All PETG and polycarbonate sizes have at least 20% headroom above the nominal capacity to allow for addition of supplemental reagents.

Each bottle is printed with easy-to-read graduations, lot number and expiration date for convenience. A square footprint saves valuable space in freezers and refrigerators.



### PETG Media Bottles

PETG bottles are widely accepted for media and biological reagents.

PETG has good gas barrier properties that maintain the shelf life of media, trypsin and other reagents that deteriorate with exposure to air.

PETG bottles are well suited to temperatures between 60°C and -40°C.

PETG bottles are fitted with either 38 mm or 48 mm screwcaps with high-density polyethylene cap liners.



### Polycarbonate Bottles Ideal For Freezing

Polycarbonate provides a stronger bottle for freezing to -100°C or heating to autoclave temperature.

Biotainer polycarbonate bottles are available sterile at affordable prices for disposable use. Caps with high quality silicone rubber laminate liners that seal reliably without excessive force.



### 4 L HDPE Biotainer® Bottles

The 4 L Biotainer® Bottle is useful for storage of media, sera, antigen and similar biological reagent. It replaces reusable glass or thin-wall commodity poly jugs.

The 4 L bottle is translucent, molded from high-density polyethylene. It is well suited to low temperature freezing.

Like other Biotainer® Bottles, the 4 L bottles incorporate a drip control ring for neat pouring.

### 3-Port Closure - PP Lined Closure

Radiation stabilised 48mm quick action (QA) PP closure with 3 ports and removable silicone liner.

Fits all Biotainer products with a 48mm QA neck. Use for aseptic filling and venting operations.

The two 8mm fluid ports accept 6-7mm (1/4 in.) I.D. Tubing. The vent port accepts 4.5mm (3/16 in.) tubing.

BBA 020                      3 port Cap 48mm QA                      20u/pack



### Torque Wrench and Fittings for Biotainer Closures

Biotainer and Carboy closures should be put on containers with a consistent amount of force to ensure a leak proof seal. Chuck fittings are available for 38mm and 48mm closures. Chuck fittings have a 1/4in. socket to fit the torque wrench.

2595-3038	Chuck for 38mm closure (recommended for Torque 27-33 in. Lbs)	1
2595-9048	Chuck for 48mm closure (recommended for Torque 30-42 in. lbs)	1
2195-6469	1/4 in. drive torque wrench (recommended for Torque 6-75 in. lbs)	1



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FT-DV3710

## Biotainer carboys

Biotainer® Carboys are molded from transparent polycarbonate, readily identified by its blue tint. Each Carboy carries a printed lot number and sterility expiration date that provide improved traceability. Both Carboy and cap liner are tested to USP Class VI standards. All Carboy sizes incorporate handgrips for easy handling. An efficient 48 mm neck finish reduces the chance of contamination when a container is opened.

### 5 L, 10 L & 20 L Square Carboys

Square Biotainer® Carboys can provide a 30% space-saving compared to round carboys. Available in 5L, 10 L and 20 L sizes to save space in cold rooms, warehouses and during transport. Indented handholds provide a comfortable grip for improved handling of filled containers. Molded graduations in liters and gallons provide easy estimation of volumes.



### 18 L Round Carboy

The 18 L carboy has a round footprint and provides an easy transition from glass carboys to disposable plastic. Heavy ribbing and uniform wall thickness make the 18 L a good choice when extra strength is needed. This style features a sturdy, integral handle.

## Biotainer specifications

### \* Manufacturing

Biotainers® are manufactured in a FDA registered facility manufacturing to GMP requirements. Bottle materials and cap liners have been tested and meet USP Class VI standards for plastics. These materials have also tested negative for endotoxins. All bottles have been leak-tested for integrity and fitted with the appropriate closure to assure a consistent product with a reliable seal.

### \* Closures

All Biotainer® Products use 38 mm or 48 mm screwcaps molded in radiation stabilized polypropylene. Polycarbonate containers and the 4 L bottle use a special silicone rubber to polypropylene laminate liner, which is sonically welded to the cap shell. PETG bottles employ a high-density polyethylene cap liner glued inside the cap shell. HDPE cap liners do not withstand autoclaving. Both liner systems seal reliably without excessive force.

### \* Validation Bottles

Validate material compatibility for carboys using 125 ml and 1 L polycarbonate Biotainer® Bottles. These bottles are made with the same materials and process as our carboys.

### \* Sterilization

All Biotainer Products are gamma-irradiated to achieve a SAL of 10<sup>-6</sup> and documented by Certificate of Compliance.

### \* Autoclaving, Reuse and Disposal

All Biotainer® Products are intended for disposable use and are not tested or warranted for repeated autoclaving and reuse. Polycarbonate products with the silicone rubber cap liner system can be steam autoclaved for applications such as terminal sterilization or to render the product safe for disposal.

Autoclaving collapses PETG containers. This has the benefit of reducing waste volume.

Recycling is an option for waste disposal of Biotainer® Products and all Biotainer® Products carry the appropriate recycling code. In addition, PETG may be incinerated. It burns cleanly and has a high-energy value.

### \* Product Range

PETG = Polyethyleneterephthalate glycol

PC = Polycarbonate

HDPE = High Density Polyethylene

### \* Disclaimer

For in vitro R&D use only - Not For In Vitro Diagnostic Use In Human.

Validation of Biotainer® Products for specific applications is the responsibility of the end-user.

Biotainer is a registered trademark of In Vitro Scientific Products

## Other Information

Please contact InterBioTech – Interchim for any other information

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