

# 2D Labtainer BioProcess Container (BPC) systems

Small-volume liquid handling systems for cell culture and bioprocessing

Thermo Scientific™ Labtainer™ BioProcess Containers (BPCs) effectively address small-volume liquid handling needs. They range in size from 50 mL to 50 L, with a variety of standard configurations to meet most application needs. These Labtainer BPCs are space saving, ergonomic, and constructed of Thermo Scientific™ Aegis™ 5-14 film. Product configurations cover a range of industry-standard connection systems; handling systems are available for transport and storage.

## Standard products

Standard Labtainer BPCs are stocked for immediate delivery and are fully supported by our process and product validation program. (For more information on our validation program, please refer to our validation guides on Aegis5-14 film. Additionally, standard Labtainer BPCs have validated liquid shipping configurations.)

Standard configurations can be customized for optimal fit, form, and function using the one of the industry's largest libraries of qualified components to address process-specific applications.

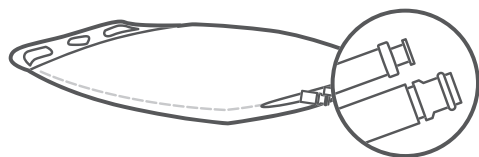


Whether in a standard or customized configuration, Labtainer BPCs are ideal for:

- Dispensing, packaging, and storing cell culture media, buffers, and process liquids
- Delivery of cell culture media or process liquids to small-scale bioproduction systems
- Bioreactor and fermentation feed, sampling, and harvest
- Chromatography feed and fraction collection
- Storage and transport of bulk intermediate products, process intermediates, vaccine conjugates, and other biological products

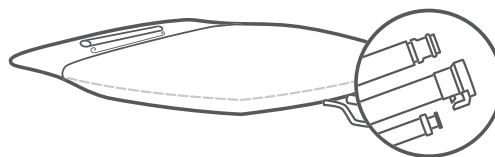
## Aegis5-14 chamber details

**50 mL–2 L:** Polyethylene ports are welded into the BPC seam, 2 x 1/4 in. ID ports on standard chamber.



50 mL–2 L, 2-port Labtainer

**2 L–50 L:** Polyethylene ports are welded into the BPC seam, 2 x 3/8 in. and 1 x 1/4 in. ID ports on standard chamber.



2 L–50 L, 3-port Labtainer

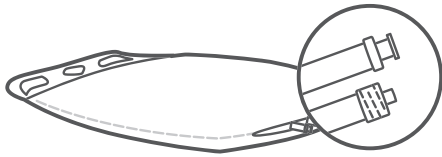
## Chamber information

Volume	Empty BPC dimensions (L x W)	Nominally filled BPC dimensions (L x W x H)	Liquid-filled shipping box dimensions (No. of units, L x W x H)
50 mL	11.7 x 13.7 cm (4.6 x 5.4 in.)	11.6 x 13.9 x 1.2 cm (4.6 x 5.5 x 0.5 in.)	NA
100 mL	14.7 x 14.2 cm (5.8 x 5.6 in.)	14.4 x 13.9 x 1.2 cm (5.7 x 5.5 x 0.5 in.)	NA
250 mL	19.1 x 15.0 cm (7.5 x 5.9 in.)	19.0 x 14.7 x 1.9 cm (7.5 x 5.8 x 0.75 in.)	NA
500 mL	26.4 x 17.3 cm (10.4 x 6.8 in.)	26.4 x 16.5 x 2.5 cm (10.4 x 6.5 x 1.0 in.)	(4–10) 60.3 x 44.4 x 14.2 cm (23.75 x 17.5 x 5.6 in.)
1 L	29.7 x 20.1 cm (11.7 x 7.9 in.)	29.2 x 18.2 x 5.0 cm (11.5 x 7.2 x 2 in.)	(1) 38.7 x 27.9 x 7.3 cm (15.25 x 11 x 2.9 in.)
2 L, 2-port	34.8 x 24.4 cm (13.7 x 9.6 in.)	34.2 x 21.5 x 5.5 cm (13.5 x 8.5 x 2.2 in.)	(1) 41.2 x 26.6 x 9.1 cm (16.25 x 10.5 x 3.6 in.)
2 L, 3-port	29.5 x 31 cm (11.6 x 12.2 in.)	27.9 x 30.4 x 5.0 cm (11.0 x 12.0 x 2.0 in.)	(1) 41.2 x 26.6 x 9.1 cm (16.25 x 10.5 x 3.6 in.)
3 L	39.7 x 31.2 cm (15.5 x 12.3 in.)	38.1 x 29.2 x 5.7 cm (15.0 x 11.5 x 2.2 in.)	(1) 71.1 x 29.8 x 12.7 cm (28 x 11.75 x 5 in.)
5 L	37.6 x 33.3 cm (14.8 x 13.1 in.)	33.0 x 33.0 x 10.1 cm (13.0 x 13.0 x 4.0 in.)	(1) 41.2 x 32.3 x 15.8 cm (16.25 x 12.75 x 6.25 in.)
10 L	62.2 x 30.0 cm (24.5 x 11.8 in.)	58.4 x 27.9 x 11.4 cm (23.0 x 11.0 x 4.5 in.)	(1) 62.8 x 27.3 x 15.8 cm (24.75 x 10.75 x 6.25 in.)
20 L	65.5 x 43.2 cm (25.8 x 17.0 in.)	58.4 x 36.8 x 14.6 cm (23.0 x 14.5 x 5.7 in.)	(1) 64.1 x 38.7 x 19.6 cm (25.25 x 15.25 x 7.75 in.)
30 L	82.0 x 53.3 cm (32.3 x 21.0 in.)	77.4 x 49.5 x 13.3 cm (30.5 x 19.5 x 5.2 in.)	NA
50 L	82.6 x 58.4 cm (32.5 x 23.0 in.)	72.3 x 53.3 x 21.5 cm (28.5 x 21.0 x 8.5 in.)	NA

## Ordering information

### 2 ports

Pack of 10



#### Line 1

Luer lock body connection, polypropylene  
No tubing

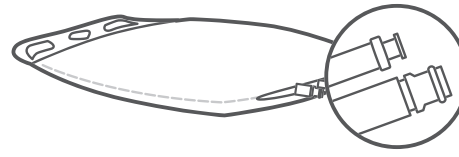
#### Line 2

Luer lock insert connection, polypropylene  
No tubing

Size	Dimensions (L x W)	Cat. No.
50 mL	11.7 x 13.7 cm (4.6 x 5.4 in.)	SH3105011
100 mL	14.7 x 14.2 cm (5.8 x 5.6 in.)	SH3105012
250 mL	19.1 x 15 cm (7.5 x 5.9 in.)	SH3105013
500 mL	26.4 x 17.3 cm (10.4 x 6.8 in.)	SH3105014
1 L	29.7 x 20.1 cm (11.7 x 7.9 in.)	SH3105015
2 L	34.8 x 24.4 cm (13.7 x 9.6 in.)	SH3105016

### 2 ports

Pack of 10



#### Line 1

Luer lock body connection, polypropylene  
Tubing: C-Flex, length: 30 cm (12 in.)  
ID x OD: 3.2 x 6.4 mm (0.13 x 0.25 in.)

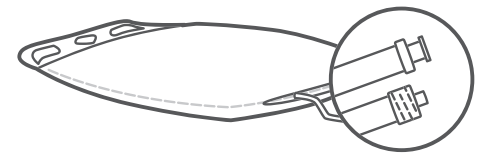
#### Line 2

MPC insert, polycarbonate  
No tubing

Size	Dimensions (L x W)	Cat. No.
50 mL	11.7 x 13.7 cm (4.6 x 5.4 in.)	SH3104811
100 mL	14.7 x 14.2 cm (5.8 x 5.6 in.)	SH3104812
250 mL	19.1 x 15 cm (7.5 x 5.9 in.)	SH3104813
500 mL	26.4 x 17.3 cm (10.4 x 6.8 in.)	SH3104814
1 L	29.7 x 20.1 cm (11.7 x 7.9 in.)	SH3104815
2 L	34.8 x 24.4 cm (13.7 x 9.6 in.)	SH3104816

### 2 ports

Pack of 10



#### Line 1

Luer lock body connection, polypropylene  
Tubing: C-Flex, length: 30 cm (12 in.)  
ID x OD: 3.2 x 6.4 mm (0.13 x 0.25 in.)

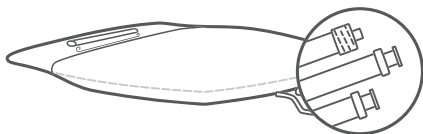
#### Line 2

Luer lock insert connection, polypropylene  
Tubing: C-Flex, length: 30 cm (12 in.)  
ID x OD: 3.2 x 6.4 mm (0.13 x 0.25 in.)

Size	Dimensions (L x W)	Cat. No.
50 mL	11.7 x 13.7 cm (4.6 x 5.4 in.)	SH3096111
100 mL	14.7 x 14.2 cm (5.8 x 5.6 in.)	SH3096112
250 mL	19.1 x 15 cm (7.5 x 5.9 in.)	SH3096113
500 mL	26.4 x 17.3 cm (10.4 x 6.8 in.)	SH3096114
1 L	29.7 x 20.1 cm (11.7 x 7.9 in.)	SH3096115
2 L	34.8 x 24.4 cm (13.7 x 9.6 in.)	SH3096116

### 3 ports

Single pack



#### Line 1

Luer lock insert connection, polypropylene

Tubing: C-Flex, length: 30 cm (12 in.)

ID x OD: 6.4 x 9.7 mm (0.25 x 0.38 in.)

#### Line 2

Luer lock body connection, polypropylene

Tubing: C-Flex, length: 30 cm (12 in.)

ID x OD: 6.4 x 9.7 mm (0.25 x 0.38 in.)

#### Line 3

Luer lock body connection, polypropylene

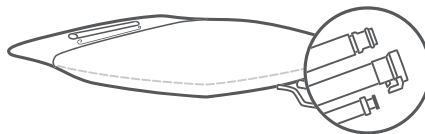
Tubing: C-Flex, length: 30 cm (12 in.)

ID x OD: 3.2 x 6.4 mm (0.13 x 0.25 in.)

Size	Dimensions (L x W)	Cat. No.
2 L	29.5 x 31 cm (11.6 x 12.2 in.)	SH3104905
5 L	37.6 x 33.3 cm (14.8 x 13.1 in.)	SH3104901
10 L	62.2 x 30 cm (24.5 x 11.8 in.)	SH3104902
20 L	65.5 x 43.2 cm (25.8 x 17 in.)	SH3104903
50 L	82.6 x 58.4 cm (32.5 x 23 in.)	SH3104904

### 3 ports

Single pack



#### Line 1

MPC insert, polycarbonate

Tubing: C-Flex, length: 61 cm (24 in.)

ID x OD: 9.7 x 15.9 mm (0.38 x 0.63 in.)

#### Line 2

MPC body, polycarbonate

Tubing: C-Flex, length: 61 cm (24 in.)

ID x OD: 9.7 x 15.9 mm (0.38 x 0.63 in.)

#### Line 3

Luer lock body connection, polypropylene

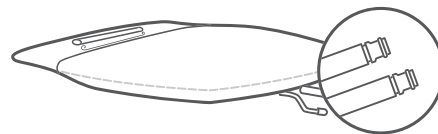
Tubing: C-Flex, length: 61 cm (24 in.)

ID x OD: 3.2 x 6.4 mm (0.13 x 0.25 in.)

Size	Dimensions (L x W)	Cat. No.
2 L	29.5 x 31 cm (11.6 x 12.2 in.)	SH3096305
5 L	37.6 x 33.3 cm (14.8 x 13.1 in.)	SH3096301
10 L	62.2 x 30 cm (24.5 x 11.8 in.)	SH3096302
20 L	65.5 x 43.2 cm (25.8 x 17 in.)	SH3096303
50 L	82.6 x 58.4 cm (32.5 x 23 in.)	SH3096304

### 3 ports

Single pack



#### Line 1

MPC insert, polycarbonate

Tubing: C-Flex, length: 30 cm (12 in.)

ID x OD: 9.7 x 12.7 mm (0.38 x 0.5 in.)

#### Line 2

MPC insert, polycarbonate

Tubing: C-Flex, length: 30 cm (12 in.)

ID x OD: 9.7 x 12.7 mm (0.38 x 0.5 in.)

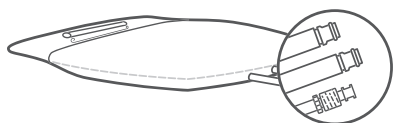
#### Line 3

Plugged; no tubing

Size	Dimensions (L x W)	Cat. No.
2 L	29.5 x 31 cm (11.6 x 12.2 in.)	SH3096505
5 L	37.6 x 33.3 cm (14.8 x 13.1 in.)	SH3096501
10 L	62.2 x 30 cm (24.5 x 11.8 in.)	SH3096502
20 L	65.5 x 43.2 cm (25.8 x 17 in.)	SH3096503
50 L	82.6 x 58.4 cm (32.5 x 23 in.)	SH3096504

## 3 ports

Single pack—edge ports



### Line 1

MPC insert, polycarbonate  
No tubing

### Line 2

MPC insert, polycarbonate  
No tubing

### Line 3

Injection port  
No tubing

Size	Dimensions (L x W)	Cat. No.
2 L	29.5 x 31 cm (11.6 x 12.2 in.)	SH3100505
5 L	37.6 x 33.3 cm (14.8 x 13.1 in.)	SH3100501
10 L	62.2 x 30 cm (24.5 x 11.8 in.)	SH3100502
20 L	65.5 x 43.2 cm (25.8 x 17 in.)	SH3100503
50 L	82.6 x 58.4 cm (32.5 x 23 in.)	SH3100504

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