

# Thermo Scientific HyQ Labtainer BioProcess Container Systems

Small-volume liquid handling systems for cell culture and bioprocessing

## Introduction

Thermo Scientific™ HyQ™ Labtainer™ BioProcess Containers effectively address small-volume liquid handling needs. They range in size from 50mL to 50L, with a variety of standard configurations to meet most application needs. These HyQ Labtainer bags 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 bags 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 Guide for Standard Thermo Scientific™ HyClone™ BioProcess Container Systems). Additionally, validated sterile liquid shipping configurations are available.

Standard configurations can be customized for optimal fit, form and function using the industry's largest library of qualified components to address process-specific applications. Whether a standard or customized configuration, Labtainer bags are ideal for:

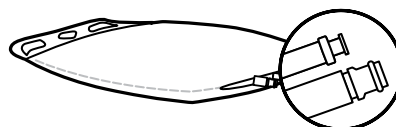
- Dispensing, packaging, and storing cell culture media, buffers, and process liquids
- Delivery of cell culture media or process liquids to small-scale, bioproduction systems
- Bioreactor and fermentation feed, sampling and harvest
- Chromatography feed and fraction collection
- Storage and transport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



## Chamber Details

### 50mL - 3L

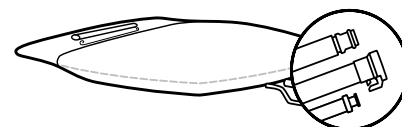
Polyethylene tube ports are welded into the bag seam 2 x 1/4" I.D. ports on standard chamber.



Labtainer bags - 50mL to 2L-2 port

### 2L - 50L

Polyethylene tube ports are welded into the bag seam 2 x 3/8" and 1 x 1/4" I.D. ports on standard chamber.



Labtainer bags - 2L to 50L-3 port

## Chamber Information:

Volume	Empty Bag Dimensions (L x W)	Nominal Filled Bag Dimensions (L x W x H)	Liquid Filled Shipping Box Dimensions (# of units) (L x W x H)
50mL	11.7 x 13.7cm (4.6 x 5.4")	11.6 x 13.9 x 1.2cm (4.6 x 5.5 x .5")	N/A
100mL	14.7 x 14.2cm (5.8 x 5.6")	14.4 x 13.9 x 1.2cm (5.7 x 5.5 x .5")	N/A
250mL	19.1 x 15cm (7.5 x 5.9")	19 x 14.7 x 1.9cm (7.5 x 5.8 x .75")	N/A
500mL	26.4 x 17.3cm (10.4 x 6.8")	26.4 x 16.5 x 2.5cm (10.4 x 6.5 x 1")	(4-10) 60.3 x 44.4 x 14.2cm (23.75 x 17.5 x 5.6")
1L	29.7 x 20.1cm (11.7 x 7.9")	29.2 x 18.2 x 5cm (11.5 x 7.2 x 2")	(1) 38.7 x 27.9 x 7.3cm (15.25 x 11 x 2.9")
2L-2 Port	34.8 x 24.4cm (13.7 x 9.6")	34.2 x 21.5 x 5.5cm (13.5 x 8.5 x 2.2")	(1) 41.2 x 26.6 x 9.1cm (16.25 x 10.5 x 3.6")
2L-3 Port	29.5 x 31cm (11.6 x 12.2")	27.9 x 30.4 x 5cm (11 x 12 x 2")	(1) 41.2 x 26.6 x 9.1cm (16.25 x 10.5 x 3.6")
3L	39.7 x 31.2cm (15.5 x 12.3")	38.1 x 29.2 x 5.7cm (15 x 11.5 x 2.2")	(1) 71.1 x 29.8 x 12.7cm (28 x 11.75 x 5")
5L	37.6 x 33.3cm (14.8 x 13.1")	33 x 33 x 10.1cm (13 x 13 x 4")	(1) 41.2 x 32.3 x 15.8cm (16.25 x 12.75 x 6.25")
10L	62.2 x 30cm (24.5 x 11.8")	58.4 x 27.9 x 11.4cm (23 x 11 x 4.5")	(1) 62.8 x 27.3 x 15.8cm (24.75 x 10.75 x 6.25")
20L	65.5 x 43.2cm (25.8 x 17")	58.4 x 36.8 x 14.6cm (23 x 14.5 x 5.7")	(1) 64.1 x 38.7 x 19.6cm (25.25 x 15.25 x 7.75")
30L	82.0 x 53.3cm (32.3 x 21")	77.4 x 49.5 x 13.3cm (30.5 x 19.5 x 5.2")	N/A
50L	82.6 x 58.4cm (32.5 x 23")	72.3 x 53.3 x 21.5cm (28.5 x 21 x 8.5")	N/A

## Standard Products

## Ordering Information:

Volume	Ports Number and Size	Standard Product Number	Package Size
50mL	0.635cm (2 x 1/4")	SH30961.11	10
100mL	0.635cm (2 x 1/4")	SH30961.12	10
250mL	0.635cm (2 x 1/4")	SH30961.13	10
500mL	0.635cm (2 x 1/4")	SH30961.14	10
1L	0.635cm (2 x 1/4")	SH30961.15	10
2L	0.635cm (2 x 1/4")	SH30961.16	10
2L	0.95cm (2 x 3/8") x 0.635cm (1/4 inch)	SH30963.05	1
5L	0.95cm (2 x 3/8") x 0.635cm (1/4 inch)	SH30963.01	1
10L	0.95cm (2 x 3/8") x 0.635cm (1/4 inch)	SH30963.02	1
20L	0.95cm (2 x 3/8") x 0.635cm (1/4 inch)	SH30963.03	1
50L	0.95cm (2 x 3/8") x 0.635cm (1/4 inch)	SH30963.04	1

## Custom BPC Options:

<b>Tubing Type</b>	C-Flex™ (clear, white and ADCF), Silicone, PharMed™ or AdvantaFlex™
<b>Tubing Size</b>	Specific Lengths of 3.18 to 25.4mm (1/8 to 1") ID—depending on type of tubing chosen
<b>Connectors</b>	Luer—3.18 to 6.35mm (1/8 to 1/4") ID CPC Quick Connect—6.35 to 19mm (1/4 to 3/4") ID Steam In Place Connector—6.35 to 19mm (1/4 to 3/4") ID Triclamp—3.18 to 25.4mm (1/8" to 1") ID Mini-Triclamp—6.35 to 12.7mm (1/8 to 1/2") ID Aseptic Connection and Aseptic Disconnection Devices: All available sizes of Colder AseptiQuik™, Pall™ Kleenpak™, GE ReadyMate™ DAC
<b>Others</b>	Needle-free sample port (Smartsite™ or Clave™) Filter Capsule (Millipore™, Pall™, Sartorius™, Dornick Hunter™, Meissner™)
<b>Dip Tubes</b>	None to Full Length; 6.35 to 12.7mm (1/4 to 1/2") ID

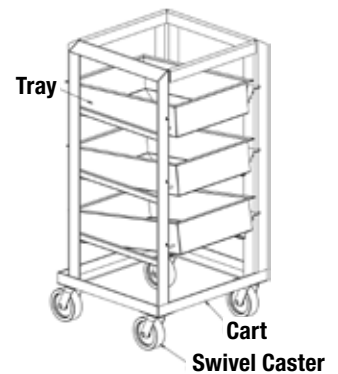
## Presentation (as dry BPC systems):

<b>Outer Packaging</b>	Supplied 'flat-packed' Two polyethylene outer layers
<b>Label</b>	Description Product code Lot number Expiry date on outer packaging and shipping container
<b>Sterilization</b>	Irradiation (25 to 40kGy) inside outer packaging
<b>Shipping Container</b>	Durable cardboard carton
<b>Documentation</b>	Certificate of Analysis provided with each batch for each delivery Certificate of Irradiation

## Thermo Scientific HyClone Tray and Rack System:

Specifically designed for use with Labtainer bags up to 20L, which are held in an inclined position to allow complete drainage by pump or gravity feed.

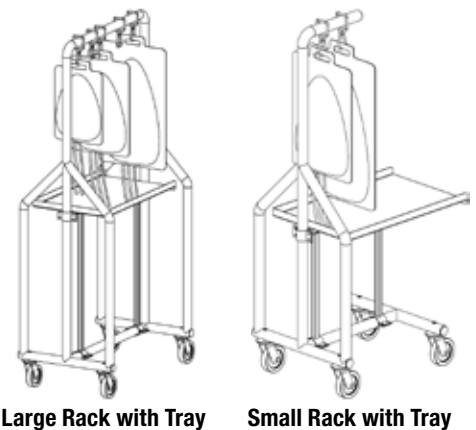
Part Number	Description	Dimensions
SV50164.01	Tray	66 x 45.7 x 15.2cm (26 x 18 x 6")
	Rack	64.5 x 70.4 x 136.7cm (25.4 x 27.7 x 53.8")



## Thermo Scientific HyClone Hanging Rack:

Specifically designed for use with Labtainer bags up to 20L in size, which are held in a hanging position to allow complete drainage by pump or gravity feed.

Part Number	Large Rack	Small Rack	Tray (bolt on)	Height	Width (approximately)
SV50149.01	X			205.7cm (81")	93.9 x 60.9cm (37 x 24")
SV50149.02	X		X	205.7cm (81")	93.9 x 60.9cm (37 x 24")
SV50149.11		X		172.7cm (68")	66 x 60.9cm (26 x 24")
SV50149.12		X	X	172.7cm (68")	66 x 60.9cm (26 x 24")



**Outer Support Container:**

Industry standard Rubbermaid™ totes with corresponding lids are available. They can be used to protect Labtainer bags up to 20L in size during use, transport and storage. Use standard HyClone 50L drum for 50L Labtainers.

Description	Part Number	Rubbermaid Part Number	Dimensions	Capacity
Tray	SV50163.01	3508-WHITE	66 x 45.7 x 15.2cm (26 x 18 x 6")	32.2L
Lid	SV50163.02	3502-WHITE	66 x 45.7cm (26 x 18")	N/A
Flat-Bottom LLDPE Drum with Lid	SV50076.02	N/A	45 x 53cm (17.625 x 20.75")	50L

**Tray with Lid****Flat-Bottom LLDPE Drum with Lid****Commercially Available Tray and Rack Systems:**

These systems are available from materials handling suppliers. For example, a stainless steel (SS) system available from Koch™ Supplies:

Description	Koch Part Number	Dimensions	Capacity
SS Knock Down Cart	2990 2939	51.4 x 71.1 x 147.3cm (20.25 x 28 x 58")	136kg (300lbs)
SS Tray	3013 1164	45.7 x 66 x 2.5cm (18 x 26 x 1")	Use up to 5 trays per cart when using with Labtainers

For ordering, contact Koch Supplies, Inc. at (800)456-5624 or [www.kochsupplies.com](http://www.kochsupplies.com).

[thermoscientific.com/bioprocessing](http://thermoscientific.com/bioprocessing)

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**Cell Culture & BioProcessing**

925 West 1800 South  
Logan, UT  
84321

**In Americas/Asia**  
435-792-8000  
435-792-8001 fax

**In Europe**  
+32 53 85 71 80  
+32 53 85 74 31 fax

[www.thermoscientific.com/bioprocessing](http://www.thermoscientific.com/bioprocessing)

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