

## Description

ABC single-use bioprocessing bags are designed for the preparation, collection, storage and transport of biopharmaceutical liquids. Using proven materials and components, these products were developed to be readily integrated into new and existing single-use process applications.

## Single-Use Bags 50ml to 20 Liters



### Applications

ABC single-use bags provide broad chemical compatibility for safe handling of a wide range of biopharmaceutical liquids.

Typical applications include:

- Buffer and media storage
- Bioreactor feed and harvest
- Intermediate product hold
- Chromatography feed
- Fraction collection
- Product sampling
- Final product hold

### Ease of Use

ABC standard single-use bags incorporate a variety of features allowing easy integration into single-use process applications:

- Integrated handle (2-20 Liter)
- Integrated hanging capability
- Needle-free sampling port
- May be used with sterile welder

### Materials and Components

ABC single-use bags are constructed of multilayer films optimized for bioprocess production applications. Film materials are consistent throughout the product range, with LDPE as the fluid contact material and EVOH as the gas barrier layer. All standard products are certified to be free of animal derived components.

### Validation

ABC single-use bags have been qualified using widely accepted test methods.

**ISO 10993-5 Cytotoxicity, In Vitro**

**USP <88> Class VI, In Vivo**

**ISO 11137 Sterilization of medical devices**

**ISO 11137 Bioburden**

**USP <788> Particulate matter in injectables**

**Extractables and Leachables**

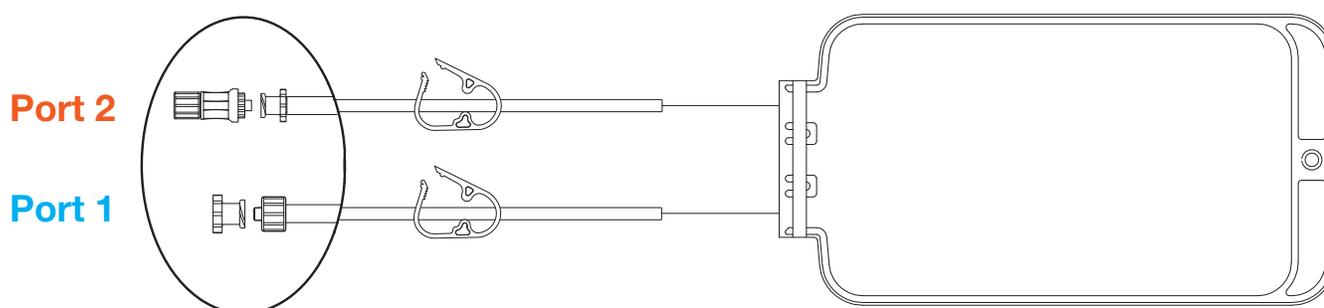
**ASTM Physical Properties**

# Dimensions 50ml - 20 Liter

Volume	50ml Bag	150ml Bag	250ml Bag	500ml Bag	1L Bag
Length	5.22"	7.72"	9.72"	10.22"	13.50"
	(13.26 cm)	(19.61 cm)	(24.69 cm)	(25.96 cm)	(34.29 cm)
Width	3.85"	3.85"	3.85"	5.35"	6.48"
	(9.78 cm)	(9.78 cm)	(9.78 cm)	(13.59 cm)	(16.46 cm)
Internal Surface Area	26.00 in <sup>2</sup>	43.50 in <sup>2</sup>	57.00 in <sup>2</sup>	86.21 in <sup>2</sup>	145.42 in <sup>2</sup>
	(167.74 cm <sup>2</sup> )	(280.64 cm <sup>2</sup> )	(367.74 cm <sup>2</sup> )	(556.13 cm <sup>2</sup> )	(935.48 cm <sup>2</sup> )

Volume	2L Bag	3L Bag	5L Bag	10L Bag	20L Bag
Length	15.55"	18.05"	18.34"	27.70"	28.12"
	(39.37 cm)	(45.72 cm)	(46.48 cm)	(70.36 cm)	(71.37 cm)
Width	9.35"	9.35"	12.35"	12.35"	18.35"
	(23.75 cm)	(23.75 cm)	(31.24 cm)	(31.24 cm)	(46.48 cm)
Internal Surface Area	226.40 in <sup>2</sup>	271.40 in <sup>2</sup>	364.52 in <sup>2</sup>	587.44 in <sup>2</sup>	887.98 in <sup>2</sup>
	(1458.06 cm <sup>2</sup> )	(1748.38 cm <sup>2</sup> )	(2348.38 cm <sup>2</sup> )	(3787.09 cm <sup>2</sup> )	(5722.57 cm <sup>2</sup> )

## Standard Bags, Luer® Lock Connectors 50ml - 500ml



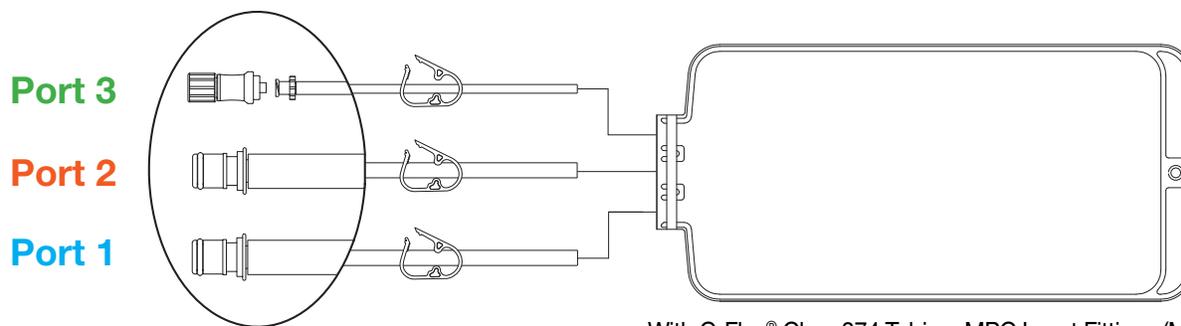
With C-Flex® Clear 374 Tubing, Male Luer Lock, Female Luer Lock with Needle-Free Sampling Port

### 12" Tubing Length

Part Number	Description	Tubing	Port 1	Port 2	Qty/Box
BP0050MS	ABC 50ml Bag, STD 2 ports	C-Flex Clear 374	1/8" x 1/4" x 12" (30.48cm) LL Male, Luer Cap, Pinch Clamp	1/8" x 1/4" x 12" (30.48cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0150MS	ABC 150ml Bag, STD 2 ports	C-Flex Clear 374	1/8" x 1/4" x 12" (30.48cm) LL Male, Luer Cap, Pinch Clamp	1/8" x 1/4" x 12" (30.48cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0250MS	ABC 250ml Bag, STD 2 ports	C-Flex Clear 374	1/8" x 1/4" x 12" (30.48cm) LL Male, Luer Cap, Pinch Clamp	1/8" x 1/4" x 12" (30.48cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0500MS	ABC 500ml Bag, STD 2 ports	C-Flex Clear 374	1/8" x 1/4" x 12" (30.48cm) LL Male, Luer Cap, Pinch Clamp	1/8" x 1/4" x 12" (30.48cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10

# Standard Bags, MPC & Luer® Lock Connectors

## 50ml - 1 Liter



With C-Flex® Clear 374 Tubing, MPC Insert Fittings (Male), Female Luer Lock with Needle-Free Sampling Port

### ■ 6" Tubing Length

Part Number	Description	Tubing	Port 1	Port 2	Port 3	Qty/Box
BP0050M	ABC 50ml Bag, STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 6" (15.24cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0150M	ABC 150ml Bag, STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 6" (15.24cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0250M	ABC 250ml Bag, STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 6" (15.24cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0500M	ABC 500ml Bag, STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 6" (15.24cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0001L	ABC 1L Bag, STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 6" (15.24cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10

### ■ 6" Tubing Length Ports 1 & 2 ■ 20" Tubing Length Port 3

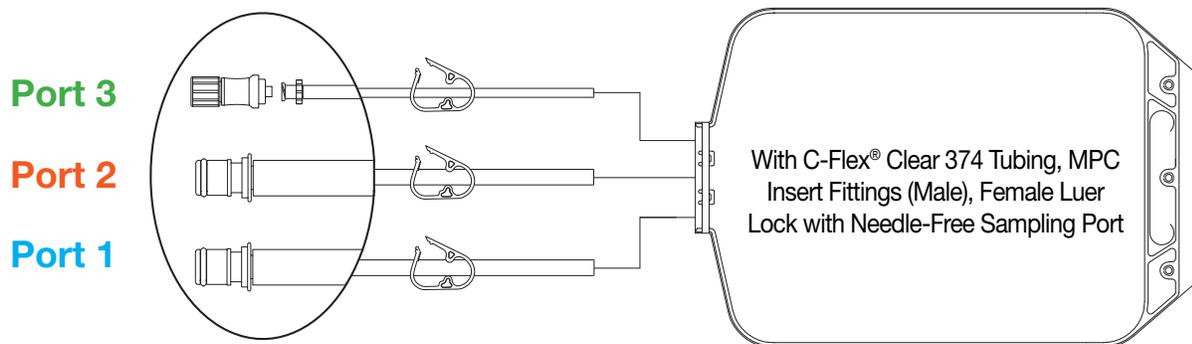
Part Number	Description	Tubing	Port 1	Port 2	Port 3	Qty/Box
BP0050MC	ABC 50ml Bag, STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0150MC	ABC 150ml Bag, STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0250MC	ABC 250ml Bag, STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0500MC	ABC 500ml Bag, STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0001LC	ABC 1L Bag, STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10

### ■ 20" Tubing Length

Part Number	Description	Tubing	Port 1	Port 2	Port 3	Qty/Box
BP0050ML	ABC 50ml Bag, STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0150ML	ABC 150ml Bag, STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0250ML	ABC 250ml Bag, STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0500ML	ABC 500ml Bag, STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0001LL	ABC 1L Bag, STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10

# Standard Bags, MPC & Luer® Lock Connectors

## 2 Liter - 20 Liter



### 6" Tubing Length

Part Number	Description	Tubing	Port 1	Port 2	Port 3	Qty/Box
BP0002L	ABC <b>2L Bag</b> , STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 6" (15.24cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0003L	ABC <b>3L Bag</b> , STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 6" (15.24cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0005L	ABC <b>5L Bag</b> , STD 3 ports	C-Flex Clear 374	3/8" x 5/8" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	3/8" x 5/8" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 6" (15.24cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0010L	ABC <b>10L Bag</b> , STD 3 ports	C-Flex Clear 374	3/8" x 5/8" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	3/8" x 5/8" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 6" (15.24cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0020L	ABC <b>20L Bag</b> , STD 3 ports	C-Flex Clear 374	3/8" x 5/8" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	3/8" x 5/8" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 6" (15.24cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10

### 6" Tubing Length Ports 1 & 2 ■ 20" Tubing Length Port 3

Part Number	Description	Tubing	Port 1	Port 2	Port 3	Qty/Box
BP0002LC	ABC <b>2L Bag</b> , STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0003LC	ABC <b>3L Bag</b> , STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0005LC	ABC <b>5L Bag</b> , STD 3 ports	C-Flex Clear 374	3/8" x 5/8" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	3/8" x 5/8" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0010LC	ABC <b>10L Bag</b> , STD 3 ports	C-Flex Clear 374	3/8" x 5/8" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	3/8" x 5/8" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0020LC	ABC <b>20L Bag</b> , STD 3 ports	C-Flex Clear 374	3/8" x 5/8" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	3/8" x 5/8" x 6" (15.24cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10

### 20" Tubing Length

Part Number	Description	Tubing	Port 1	Port 2	Port 3	Qty/Box
BP0002LL	ABC <b>2L Bag</b> , STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0003LL	ABC <b>3L Bag</b> , STD 3 ports	C-Flex Clear 374	1/4" x 7/16" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/4" x 7/16" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0005LL	ABC <b>5L Bag</b> , STD 3 ports	C-Flex Clear 374	3/8" x 5/8" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	3/8" x 5/8" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0010LL	ABC <b>10L Bag</b> , STD 3 ports	C-Flex Clear 374	3/8" x 5/8" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	3/8" x 5/8" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10
BP0020LL	ABC <b>20L Bag</b> , STD 3 ports	C-Flex Clear 374	3/8" x 5/8" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	3/8" x 5/8" x 20" (50.80cm) MPC Insert, Port Cover, Pinch Clamp	1/8" x 1/4" x 20" (50.80cm) LL Female + Needle-Free Sampling Port, Luer Cap, Pinch Clamp	10