

Motion Bioreactor Bags

Safe and secure single, double, and triple barrier cell culture bags

Bringing the benefits of ultimate customization, fast design, and delivery to cell culture applications, Entegris offers the motion bioreactor bag. Starting with the preferred motion bioreactor, end users can choose the bag film, bag size, port geometry, port quantity, port location, tubing material, connector type, and more from Entegris' extensive library of standard bioprocessing materials and components.

In addition, Entegris motion bioreactor bags are manufactured to the most exacting standards. To assure performance the customer can rely on, quality control inspections are performed from the raw material state to the final product. The entire process occurs under a quality system compliant to FDA standards.

Standard Features

- Entegris motion bioreactor bags and associated components are sterilized using gamma irradiation between 25 – 40 kGy, unless requested otherwise
- Extractables and leachables (E&L) data available for all contact materials
- Full traceability for all materials
- Certificates of Analysis provided for each lot
- Entegris motion bioreactor bag assemblies are manufactured under a quality system designed to be compliant to 21 CFR Part 820: Quality System Regulation

APPLICATIONS

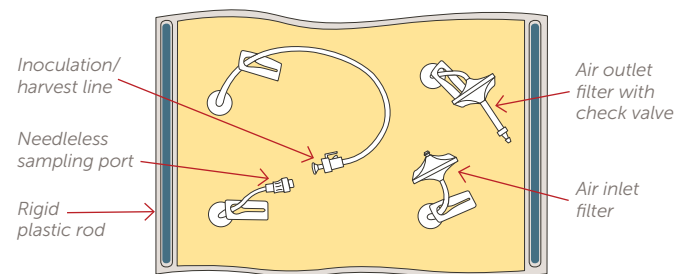
- Mammalian and plant culture cell lines with extended mixing times
- Growing NS0 and other cholesterol sensitive clones



FEATURES & BENEFITS

Customizable system design	Provide design flexibility and allows the system to fit the process rather than the process adapt to the system
Quick-turn customer service	Consistently fast development and delivery minimize the risk of production delays Personalized timely and useful attention ensures the solution meets your unique needs

STANDARD 2-PLY 4-PORT BAG DIAGRAM



MATERIALS OF CONSTRUCTION

Robust Multilayer, Single-ply Film

This design provides strength and low gas permeability, which is ideal in mammalian and plant culture cell line applications with extended rocking times.

- 11 mil thickness
- Single-ply Flex 200 film:
 - Inner product contact layer: low density polyethylene (LDPE)
 - Outer layer: ethylene vinyl alcohol (EVOH)/nylon

Non-Cholesterol Binding, Single-ply Film

This design is extremely durable, autoclavable, and has non-cholesterol binding properties that yield superior results in growing NS0 and other cholesterol-sensitive clones.

- Total 8 mil thickness
- Single-layer barrier – Flex 400 polyvinylidene fluoride (PVDF) film

Standard 2-ply film*

This design provides strength and low gas permeability, which is well suited for growing mammalian and plant culture cell lines applications.

- Total 9 mil thickness
- Inner product contact barrier: Flex 100 LDPE
- Outer barrier: Flex 150 EVOH/nylon

**2-ply is a single inner LDPE barrier and an outer barrier of LDPE/EVOH/nylon/LDPE, with the inner barrier placed inside the outer to create a 2-ply chamber.*

Standard 3-ply film**

Provides strength and low gas permeability with an additional barrier to increase mechanical strength and provide an additional level of security. Ideal for growing mammalian and plant culture cell lines.

- Total 13 mil thickness
- Inner product contact barrier: Flex 100 LDPE
- Middle barrier: Flex 100 LDPE
- Outer barrier: Flex 150 EVOH/nylon

***3-ply includes two inner LDPE barriers and an outer barrier of LDPE/EVOH/NYLON/LDPE, with the inner barriers placed inside the outer to create a 3-ply chamber.*

SPECIFICATIONS

	STANDARD 4-PORT (BUDGET) BAG	STANDARD 5-PORT BAG	STANDARD 7-PORT BAG
Size	10 L, 20 L, 50 L	5 L, 10 L, 20 L, 23 L, 50 L	10 L, 20 L, 50 L
Air outlet	0.2 µm filter, clamp, check valve, ¼" × ⅜" × 1.75" silicone tubing		
Air inlet	0.2 µm filter, clamp, ¼" × ⅜" × 1.75" silicone tubing		
Evac/inoc port	Clamp, female Luer lock, ⅛" × ¼" × 40" C-flex tubing		
	—	Clamp, female CPC, ⅛" × ¼" × 40" C-flex tubing	
Injection site	Needleless, clamp, ¼" × ⅜" × 1.75" silicone tubing		
Spare port	—	—	Clamp, female Luer lock, ¼" × ⅜" × 1.75" silicone tubing
Powder port	—	—	1" threaded cap
Other configurations	Various port options are available. Contact Entegris with your specifications.		

Options

Powder ports (1" and larger if not part of standard bag configuration)

Dissolved oxygen sensor port

Ph probe port

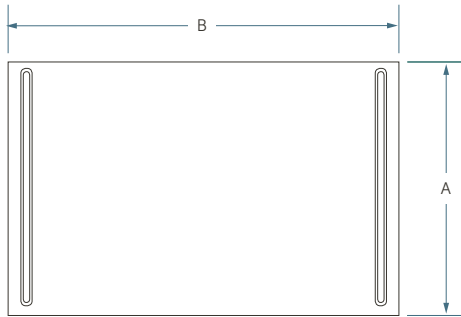
Connectors, fittings, tubing, and filters

Chamber size (100 L, 200 L, 500 L, or custom to desired footprint)

Notes:

1. Custom bag sizes and port configurations available upon request.
2. Working volumes are approximately 50% of stated volume amounts.

DIMENSIONS AND ORDERING INFORMATION



Standard 4-port (budget) bag

Part number	Size	DIMENSIONS	
		A	B
FSC00730.02	10 Liter	13"	22"
FSC00730.03	20 Liter	26"	22"
FSC00730.04	50 Liter	28½"	28"

Standard 7-port bag

Part number	Size	DIMENSIONS	
		A	B
FSC00732.02	10 Liter	13"	22"
FSC00732.03	20 Liter	26"	22"
FSC00732.05	50 Liter	28½"	28"

Standard 5-port bag

Part number	Size	DIMENSIONS	
		A	B
FSC00731.01	5 Liter	13"	22"
FSC00731.02	10 Liter	13"	22"
FSC00731.03	20 Liter	26"	22"
FSC00731.04	23 Liter	15"	28"
FSC00731.05	50 Liter	28½"	28"

Other standard motion bags

Part number	Size	DIMENSIONS	
		A	B
FSC00390.00	1 L Rocker	10¾"	21¾"
FSC00390.01	2 L Rocker	10¾"	21¾"
FSC00405.01	10 L Shaker	13"	15"

FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit entegris.com and select the [Contact Us](#) link to find the customer service center nearest you.

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