

# 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 manufactured according to ISO 7 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

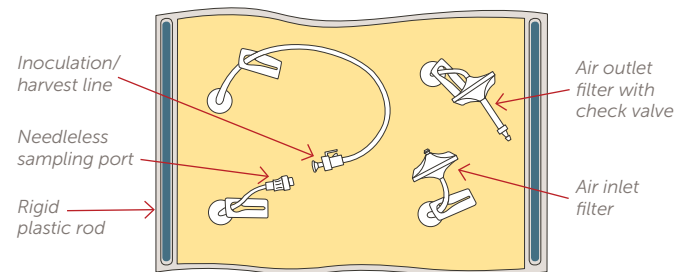
- Mammalian and plant culture cell lines with extended mixing times
- Growing NS0 and other cholesterol sensitive clones



## FEATURES & BENEFITS

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

## STANDARD 2-PLY 4-PORT BAG DIAGRAM



## MATERIALS OF CONSTRUCTION

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### 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   |
|-----------------------------|--|---|---|
| <b>Size</b>                 | 10 L, 20 L, 50 L   | 5 L, 10 L, 20 L, 23 L, 50 L                       | 10 L, 20 L, 50 L  |
| <b>Air outlet</b>           | 0.2 µm filter, clamp, check valve,<br>¼" × ⅜" × 1.75" silicone tubing          |   |   |
| <b>Air inlet</b>            | 0.2 µm filter, clamp,<br>¼" × ⅜" × 1.75" silicone tubing                       |   |   |
| <b>Evac/inoc port</b>       | Clamp, female Luer lock,<br>⅛" × ¼" × 40" C-flex tubing                        |   |   |
|                             | —  | Clamp, female CPC,<br>⅛" × ¼" × 40" C-flex tubing |   |
| <b>Injection site</b>       | Needleless, clamp,<br>¼" × ⅜" × 1.75" silicone tubing                          |   |   |
| <b>Spare port</b>           | —  | —   | Clamp, female Luer lock,<br>¼" × ⅜" × 1.75" silicone tubing |
| <b>Powder port</b>          | —  | —   | 1" threaded cap   |
| <b>Other configurations</b> | 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

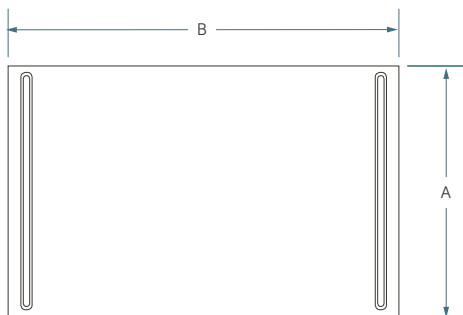
Connectors, fittings, tubing, and filters

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](http://entegris.com) and select the [Contact Us](#) link to find the customer service center nearest you.

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