

Microcarrier Separation System

A completely sterile, single-use mesh filtration system

The Entegris microcarrier separation system is designed to ease the finance and complexity burdens of single-use systems while maximizing simplicity, ease of use, and affordability. This system facilitates a separation process through the use of a streamlined, single-use filter/mesh bag system and peristaltic pump; no other equipment is required. Simply pump the unfiltered fluid to the inlet port, through the filtration mesh, and out the second port. By customizing the bag size, mesh size, and pump settings the user is able to trap and break up cell clumps, or trap microcarriers as required, all with the same recovery performance as current methods.

Standard Features

- Microcarrier separation systems are sterilized using gamma irradiation between 25 – 40 kGy, unless requested otherwise
- Extractable and leachable (E&L) data available for all contact materials
- Full traceability for all materials
- Certificates of Analysis provided for each lot
- Manufactured under a quality system that is compliant with 21 CFR Part 820: Quality System Regulation

APPLICATION

- Separation of microcarrier beads
- Suitable for upstream applications
- Used for multiple bioproduction processes



FEATURES & BENEFITS

Simplest microcarrier separation method	<p>Peristaltic pump operation minimizes capital costs</p> <p>Streamlined single-use consumables require less operator training and minimizes risk of mishandling</p>
Customizable system design	<p>Provides design flexibility and allows the system to fit the process rather than the process adapt to the system</p> <p>Hanging and tabletop configurations provide process versatility</p>
Quick-turn customer service	<p>Consistently fast development and delivery minimize the risk of production delays</p> <p>Personalized, timely and useful attention ensures the solution meets your unique needs</p>

MATERIALS OF CONSTRUCTION

Standard 2-ply film*

This design provides flexible containment in upstream applications and with the added gas barrier is especially suited for microcarrier beads, eliminating the need for expensive filters and stainless steel.

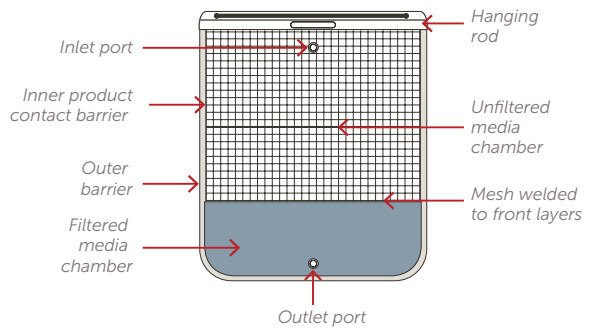
- Total 9 mil thickness
- Inner product contact barrier: Flex 100 low density polyethylene (LDPE)
- Outer barrier: Flex 150 ethylene vinyl alcohol (EVOH)/nylon

*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.



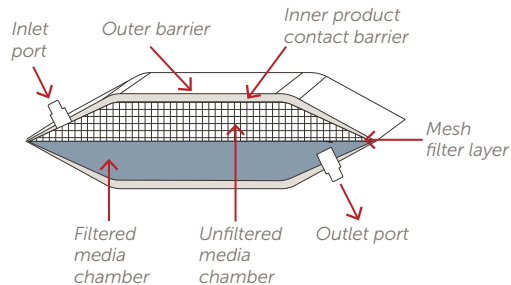
The streamlined, single-use filter/mesh bag system facilitates the separation process.

FILTER/MESH BAG (HANGING) DIAGRAM



FILTER/MESH BAG (TABLETOP) DIAGRAM

Cross Section



FOR MORE INFORMATION

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