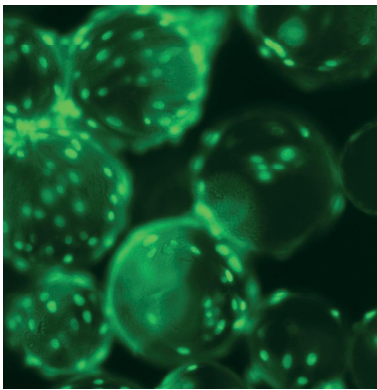


# Corning® Microcarriers for Bioprocess Scale-Up

CORNING



hMSC on Corning Synthemax II polystyrene microcarriers

Corning Microcarriers are designed to simplify your scale-up processes. The microcarriers are sterile, ready-to-use, and available in closed systems packaging to be used directly with bioreactors. Additionally, the microcarriers are surface treated to enhance cell attachment, maximizing cell yield and viability. To get the most out of your manufacturing, try Corning Microcarriers.

## Features

- ▶ Consistency – USP Class VI polystyrene material provides a consistent platform
- ▶ Performance – Corning Microcarriers are offered with two surface treatments:
  - Corning Synthemax® II Coating: the unique Corning Synthemax II substrate creates a synthetic surface on the microcarriers for stem cell expansion. Use Low Concentration for MSC applications and High Concentration for iPS/ES applications.
  - CellBIND® surface treatment infuses the surface of the microcarriers with oxygen to improve cell attachment
  - Positive charge surface treatment
  - Collagen coating
- ▶ Highest Sterility Assurance Level (SAL) of  $10^{-6}$
- ▶ Certified nonpyrogenic
- ▶ Available as Closed System Solutions

## Product Specifications

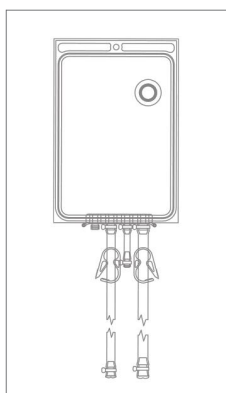
- ▶ Bead size: 125-212  $\mu\text{m}$
- ▶ Density:  $1.026 \pm 0.004$
- ▶  $\text{cm}^2/\text{gram}$ : 360



Corning Synthemax II and Enhanced Attachment Microcarriers in 10 g vials



Closed system packaging for Corning Microcarriers



Closed System Packaging

## Vials and Closed Systems Packaging

Corning® Microcarriers are available sterile and ready to use in 10 g vials. This format provides flexibility to select the amount of beads to use.

During the mature phase of process development and into manufacturing, closed system packaging would be necessary to maintain sterility and ease bioreactor loading. Corning microcarriers are also available in off-the-shelf and custom closed bag packaging. Tubing, connectors and materials are customizable based on individual needs.

## Technical Support

Corning strives to provide the highest technical support for all our products. Please reach out to your account manager, sales specialists or field applications scientist for ideas on how to optimize Corning Microcarriers for your scale-up needs.

## Corning Microcarriers Ordering Information

Cat. No.	Description	Size	Qty/Cs
3772	Corning Untreated Microcarriers	10 g vial	1
3779	Corning CellBIND® Microcarriers	100 g vial	1
3781	Corning Low Concentration Synthemax II Microcarriers	10 g vial	1
3784	Corning High Concentration Synthemax II Microcarriers	100 g vial	1
3786	Corning Collagen Coated Microcarriers	10g vial	1
3787	Corning Positive Charge Surface Microcarriers	10g vial	1

For additional Corning product, technical, or distributor information, please e-mail us at [cctech@corning.com](mailto:cctech@corning.com), visit our website [www.corning.com/lifesciences](http://www.corning.com/lifesciences) or call + 31 20 659 6051 or contact your local Corning sales office listed below.

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The Corning Family of Brands

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