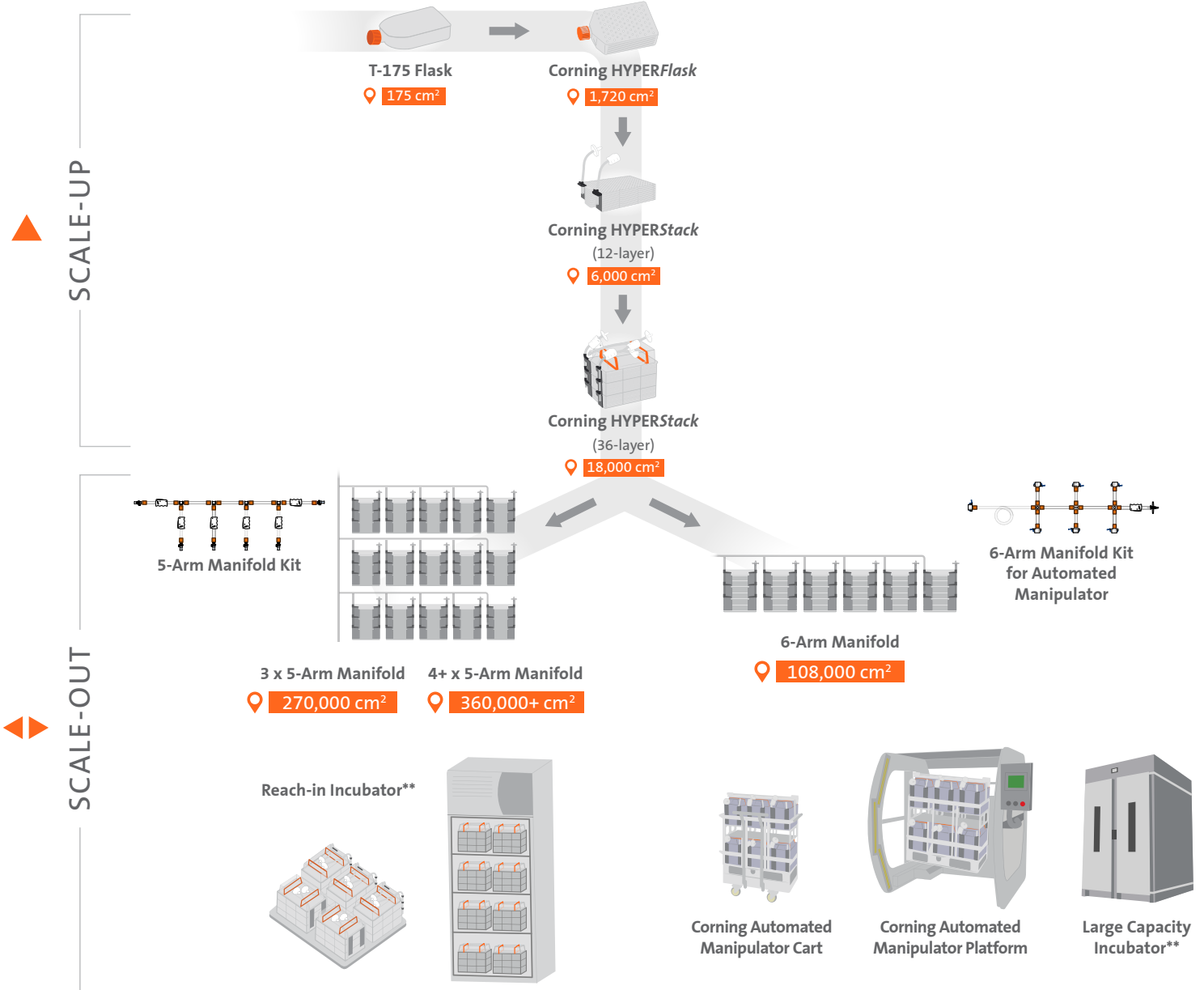


# Scaling Adherent Cell Culture with Corning® HYPER Technology

Whether your goal is adherent cell expansion for cell or gene therapy applications or biopharmaceutical production, Corning HYPER technology enables you to scale from 1,720 cm<sup>2</sup> to hundreds of thousands of cm<sup>2</sup> of growth surface area. Using an ultra-thin gas-permeable film, HYPER technology is able to provide up to 10X the growth surface area of a traditional cell culture vessel of comparable footprint. Single-use manifolds, laboratory-standard reach-in incubators, and the Corning Automated Manipulator Platform support your scale-out.

## The Road to 300,000 cm<sup>2</sup> and Beyond



## Supporting Your Workflow

Filling and Addition of Components	Expansion and Processing	Harvest and Cryopreservation

## Technical Information

THE PRINCIPLE	THE PROPERTIES	THE APPLICATIONS
<p>Gas exchange across gas-permeable film enables up to 10X gain in cell growth surface area versus vessels of comparable footprint.</p> <p><b>Traditional (stacked) Cell Culture</b></p>	<p><b>HYPERStack 12-layer</b></p> <ul style="list-style-type: none"> <li>Surface: 6,000 cm<sup>2</sup></li> <li>Volume: 1.3L</li> <li>Filled weight (approx.): 2.2 kg</li> <li>Dimensions (L x W): 13.16 x 8.15 in. (334 x 207 mm)</li> <li>Vessel Height: 2.8 in. (71 mm)</li> <li>Height with Cover: 5.4 in. (137 mm)</li> </ul> <p><b>HYPERStack 36-layer</b></p> <ul style="list-style-type: none"> <li>Surface: 18,000 cm<sup>2</sup></li> <li>Volume: 3.9L</li> <li>Filled weight (approx.): 6.6 kg</li> <li>Dimensions (L x W): 13.16 x 8.15 in. (334 x 207 mm)</li> <li>Vessel Height: 8.4 in. (215 mm)</li> <li>Height with Cover: 10.97 in. (278 mm)</li> </ul>	<p><b>Viral Vector and Vaccine Production</b></p> <p>Amplifying Adenoviral Particles in the Corning HYPERStack Cell Culture Vessel</p> <p><a href="#">Download</a></p> <p>Generating Lentiviral Particles in the Corning HYPERStack Cell Culture Vessel</p> <p><a href="#">Download</a></p> <p><b>Stem Cell Manufacturing</b></p> <p>Large Scale Expansion of Human Mesenchymal Stem Cells using Corning stemgro® hMSC Medium and Corning CellBIND® Surface HYPERStack Cell Culture Vessels</p> <p><a href="#">Download</a></p>

## Ordering Information

### Corning HYPERFlask® Vessels

Cat. No.	Description	Qty/Pk	Qty/Cs
10020	HYPERFlask M vessel, Corning CellBIND surface, bar coded, sterile	4	4
10034	HYPERFlask M vessel, Corning CellBIND surface, bar coded, sterile	4	24

### Corning HYPERStack® Vessels

Cat. No.	Description	Growth Area (cm <sup>2</sup> )	Qty/Pk	Qty/Cs
10012	HYPERStack 12-layer cell culture vessel, Corning CellBIND surface	6,000	1	4
10036	HYPERStack 36-layer cell culture vessel, Corning CellBIND surface	18,000	1	2

### Corning Automated Manipulator Platform

Cat. No.	Description
6650	Corning Automated Manipulator platform, 180-254V, standard power supply
6651	Corning Automated Manipulator platform, 380-440V, standard power supply
6652	Corning Automated Manipulator cart
6655	Corning Automated Manipulator rack for Corning HYPERStack-36, holds six HYPERStack-36 vessels, compatible with Manipulator cart (Cat. No. 6652)

### Corning HYPERStack Manifold Kits (coming early 2021)

Cat. No.	Description	Qty/Pk	Qty/Cs
11796	HYPERStack manifold, 5-link, long, MPC, sterile	1	2
11786	HYPERStack manifold, 5-link, short, MPC, sterile	1	2
11798	HYPERStack manifold, 6-link, MPC, sterile, for Automated Manipulator Platform	1	2

\*\* Products not sold by Corning

For more specific information on claims, visit [www.corning.com/certificates](http://www.corning.com/certificates).

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