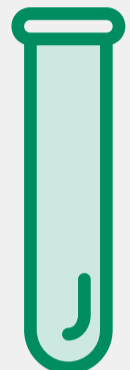


# Quantum Flex

# Where cells thrive.

Choose a cell expansion platform that doesn't limit your therapy's potential at any stage. Quantum Flex Cell Expansion System technology supports a steady transition from early process development through scale-up and commercialization.\*

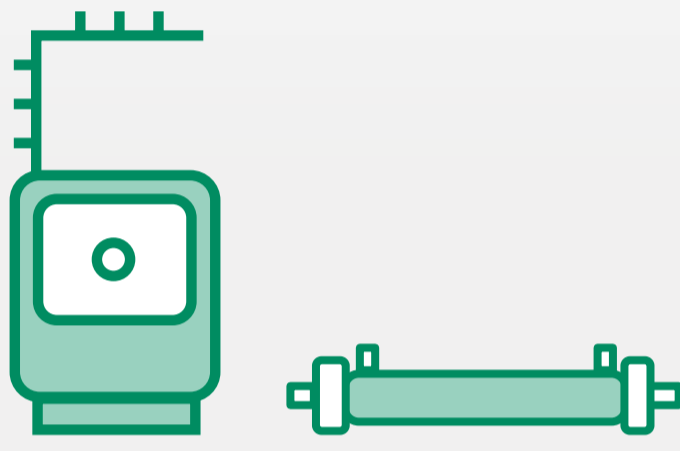
## Scalability From Process Development to Commercial Production



### Early Automation

Move straight from the flask to the small-scale bioreactor.

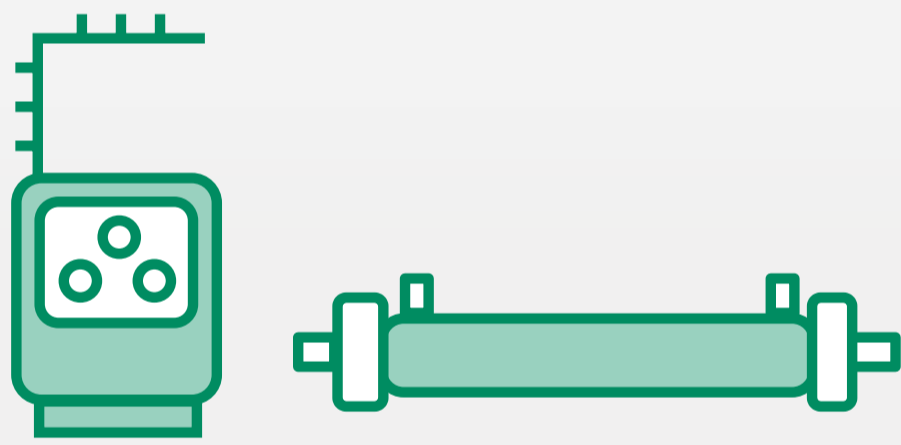
- Gain process consistency by automating early.
- Reduce preculture with low seeding requirements.
- Perform process development on the same platform that will carry you through commercialization.



### Seamless Transition

Ready to scale up when you are.

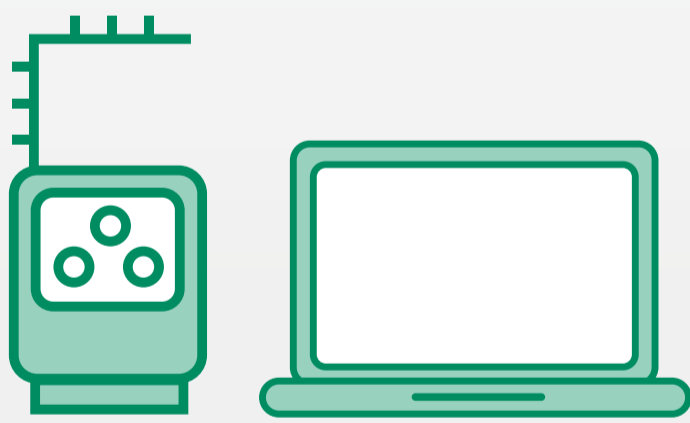
- Move your process smoothly to the larger bioreactor with the same hollow-fiber technology, or stay with the small bioreactor for later-phase production on the same platform.
- Avoid the potential cost, risk and delay of changing platforms.



### Connectivity

Software that facilitates consistency and cGMP compliance vital to late phases.

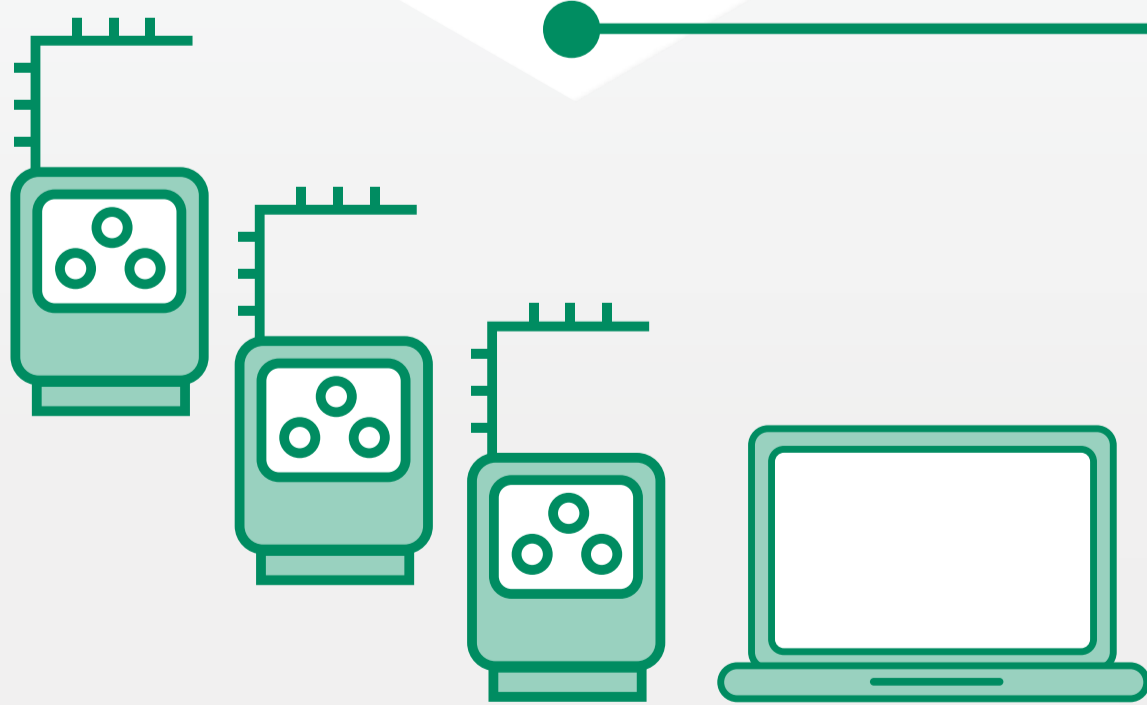
- Maintain data integrity and facilitate cGMP compliance and comprehensive reporting.
- Track and manage material use and user permissions by role.
- Achieve timely delivery to the market, and ultimately to patients.



### Scale Out to Scale Up

Gain visibility and control over a fleet of connected devices.

- Centrally manage connectivity, protocols and data capture for one device or a fleet of 100.
- Flexible manufacturing models fit your production needs.



\*Data on file.  
Performance varies by process and cell type.

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