



# Microcell Vial Filler

## Reduced risk and flexibility in one standardized package

The Microcell is a closed robotic isolator for pharmaceutical vial filling. Whether you're making personalized medicines or clinical trial supplies, the Microcell is built for agility and fast changeover. Ensure your manufacturing projects run smoothly — whatever comes down your pipeline.



## Speed to market

Microcell users can reach GMP production within 6 months to get therapies to patients faster.

## Agility

Reduced fill and changeover times enable you to produce multiple batches per day — perfect for personalized medicines.

## Drug product quality

Automation removes the need for operator intervention and limits drug product contact to a single-use flow path, reducing the risk to the quality of your drug product.

## Microcell features

- Fully automated, gloveless cGMP filling
- Human-machine interface touch screen for intuitive access to input and initiate recipe sequences
- Easy set-up with single-use flow paths and 15 minute vapor phase hydrogen peroxide decontamination

## Specifications

<b>Throughput</b>	Up to 300 units per load; 1,200 units per 8-h shift
<b>Pump type</b>	Peristaltic pump
<b>Fill volume range</b>	1.0–50 mL
<b>In-process control</b>	Programmable up to 100% of units
<b>Product contact materials</b>	Single-use flow path assembly
<b>Interior classification</b>	ISO 5 / Grade A
<b>Cleanroom classification</b>	ISO 7 / Grade C
<b>Dimensions</b>	1.7 × 1.5 × 2.2 m (66 × 57 × 86 in.)
<b>Required cleanroom space</b>	15 m <sup>2</sup> (160 sq. ft.)
<b>Electrical</b>	208–240 VAC, single phase, 50–60 Hz, FLA 36
<b>Air supply (from room)</b>	250–700 m <sup>3</sup> /h
<b>Compressed air</b>	120 L/min, >0.6 MPa (6 bar) (g)
<b>Control system</b>	21 CFR Part 11 compliant

## [cytiva.com/aseptic-filling](https://www.cytiva.com/aseptic-filling)

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## Microcell applications:

- Personalized medicines
- Gene therapies
- mRNA
- Phages
- Clinical trial supplies
- CDMO operations

## Included with your Microcell

- Drug product bag load cell
- Data historian
- Remote access

## Additional options

- Tooling sets for additional container formats
- Automated clean-in-place
- Viable particulate sampling

