

# Aseptic filling with Cytiva: Just the facts

## Solving aseptic filling challenges for your advanced therapeutics

## Fact:

Today's multi-modality, small-batch ecosystem poses new challenges for aseptic filling. Technology for large-batch blockbusters is too complex. And manual filling doesn't offer the needed speed, consistency, and sterility - nor the peace of mind that you will continue to meet ever-evolving regulatory guidelines.



Many therapeutic modalities

BSAb therapies

**Multiple formats** 

**Global production** 



**Speed to market** 





## to rethink aseptic filling Fact: Manual processes involved in traditional aseptic filling come with risk—operator contamination, poor airflow, open environments—making true product isolation impossible.

**Breaking with tradition** 

In 2007, our founders, a microbiologist and an engineer, envisioned a gloveless, robotic isolator that would solve these challenges and greatly improve on traditional aseptic filling techniques. As a result, the SA25 aseptic filling workcell and its companion Microcell™ vial filler were born and have been adopted widely for clinical and commercial drug product filling. 65+



robotic workcells





**Exceeding conventional standards** 

to give you confidence in your fill

Scheme. NMPA: National Medical Products Administration (China).

## Complying with regulatory guidelines for aseptic filling has become more complicated everywhere. Our standardized, gloveless isolator filling systems support your workflow by meeting the strictest guidelines for the manufacture of sterile injectable drug products in accordance with both the US Food and Drug Administration and European Union's Annex 1 good manufacturing practice (GMP) guidelines.

PO

Fact:

**Facilities flexibility Container flexibility** Small footprint requires less cleanroom space One system for vials, syringes, than manual isolator configurations cartridges, no separate modules

Installed and

6 months

qualified

Start-up including

decontamination

Changeover



6 months

Speed to the market

**FAT** 



### **Grade A** conditions with continuous, positive pressure, unidirectional airflow

Designed to eliminate 95% of causes for interventions

positive pressure

Aseptic assurance

**Gloveless isolator** 

with very low

particle levels

**Continuous** 

airflow



**Deploy globally** with standard design



Repeatable

production

**Continuous** 

environmental monitoring

with biofluorescent particle counting

robotic



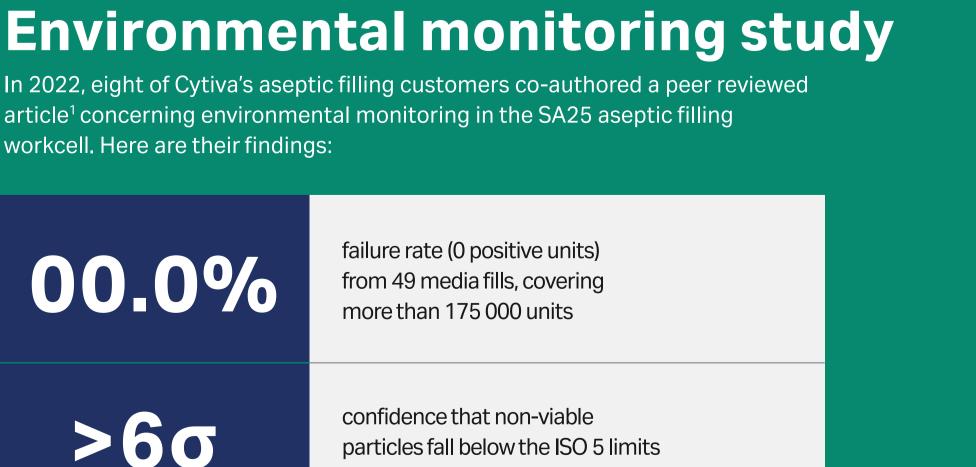
Manufacturing and filling sterile drug products are

complicated and challenging endeavors. That's why we

created the Cytiva aseptic filling user group, so you can be part of a community succeeding together. What better way to push the envelope than alongside people

Fact:

who've already found solutions to your challenges?



99.3% more than 1000000 units filled across 10 different vial, syringe, and cartridge formats

approaches. AAPS A. 2022.

dosage unit acceptance rate in

cytiva.com/aseptic-filling

Cytiva and the Drop logo are trademarks of Life Sciences IP Holdings Corporation or an affiliate doing business as Cytiva. Microcell and OptiRun are trademarks of Global Life Sciences Solutions USA LLC or an affiliate doing business as Cytiva. Any other trademarks are the property of their respective owners.

CY50758-25Feb25-IG

© 2025 Cytiva

1. McCall J. Bernard N. Gadient K. Kasireddy C, Kurtz A, Li Y, Page T, Putman T, Brennan, Á, Environmental monitoring for closed robotic workcells used in aseptic processing: Data to support new regulatory





For local office contact information, visit cytiva.com/contact