

Sterile medicines - lessons from StrugglePharm

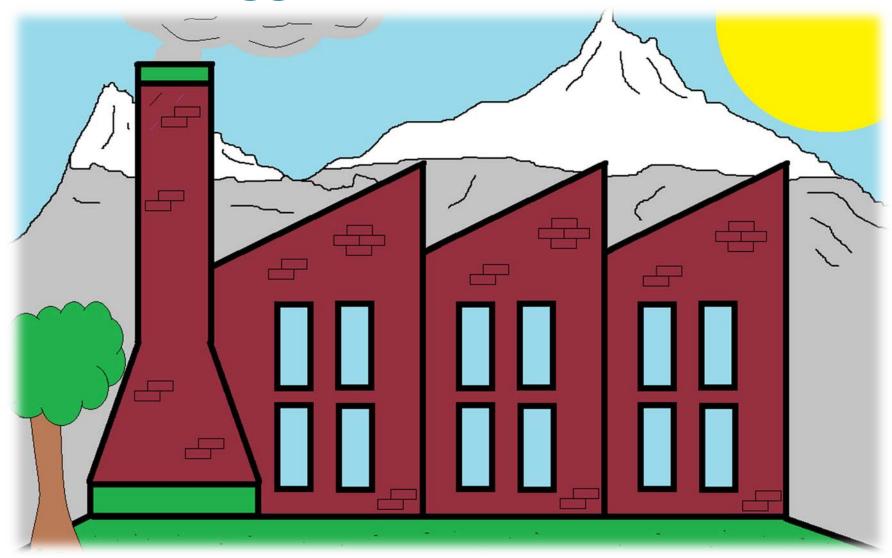
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Welcome to StrugglePharm!





Gowning up

× Uncontrolled access to production areas

× Access to toilets× Unsanitary toilets

× Inadequate gowning and hygiene procedures
× Poor gown management
× Inappropriate gowning

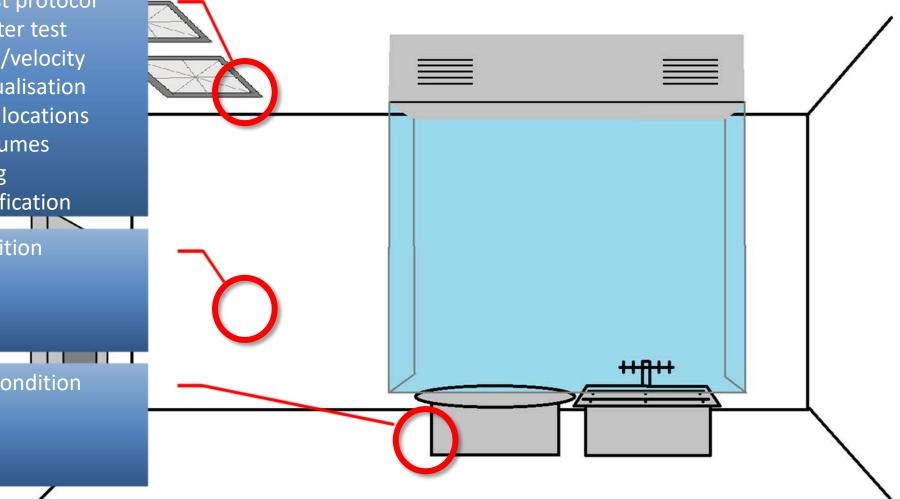
validation/limits× No exclusion criteria

 × Removal of outdoor clothing
 × Inadequate conditions for initial gowning
 × poor cleanroom practices

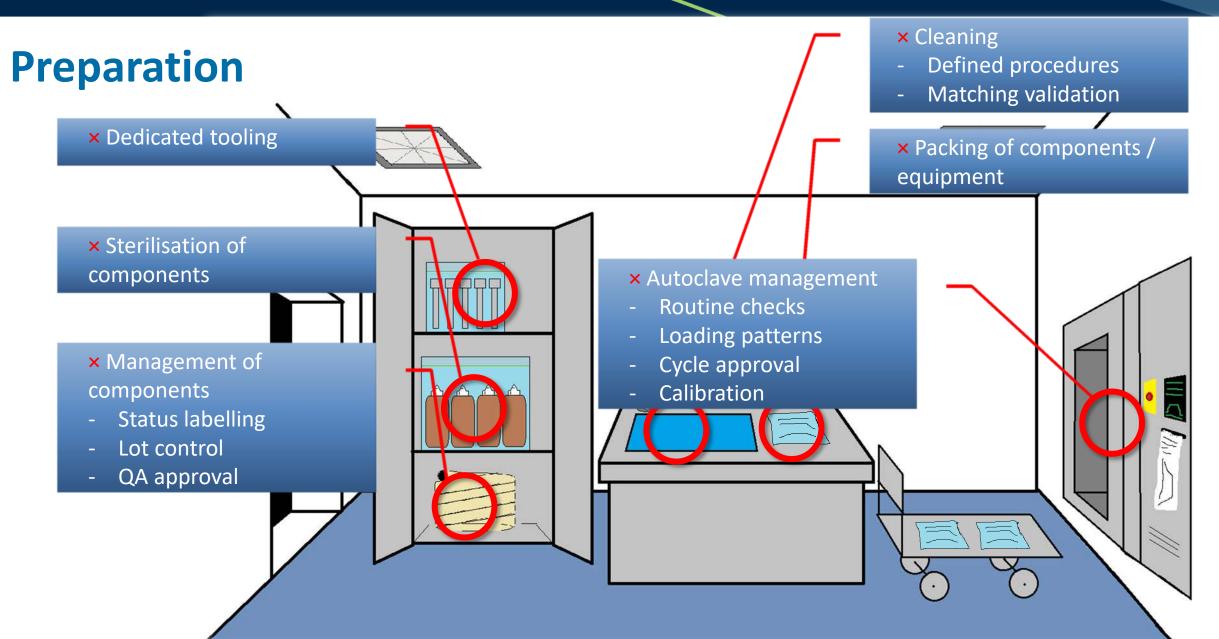


Clean room classification and condition

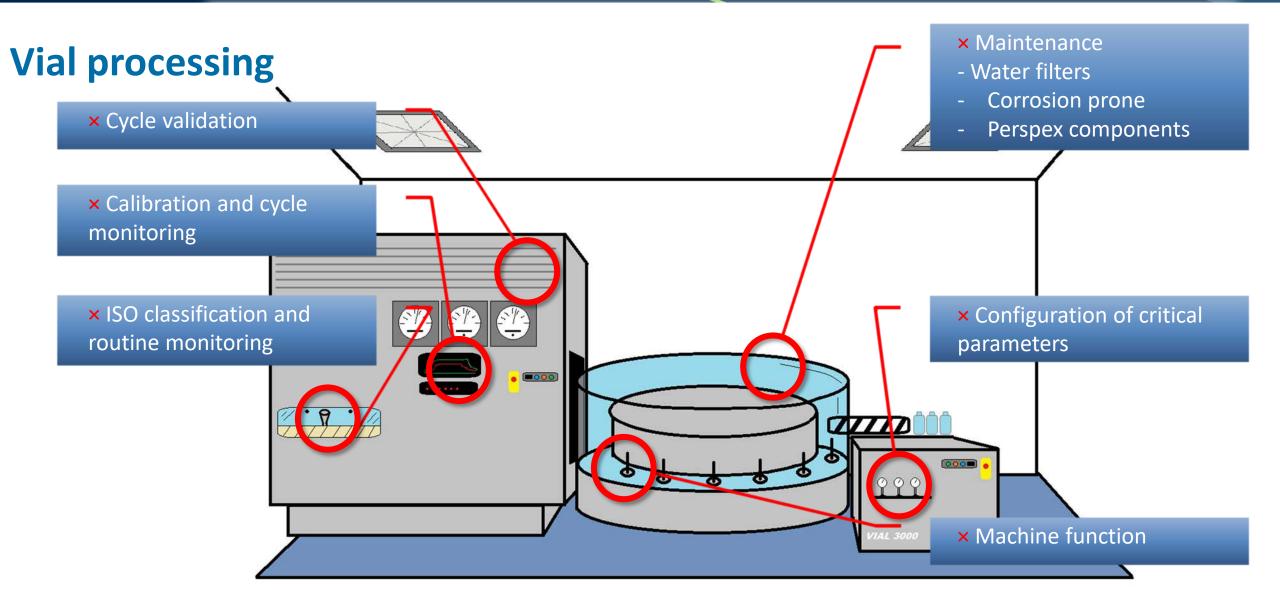
- Defined test protocol
- Installed filter test
- Airflow vol./velocity
- Airflow visualisation
- Number of locations
- Sample volumes
- Leak testing
- Report verification
- **×** Facility condition
- Walls
- Floors
- Joints
- × Equipment condition
- Cleanliness
- Rust
- Damage













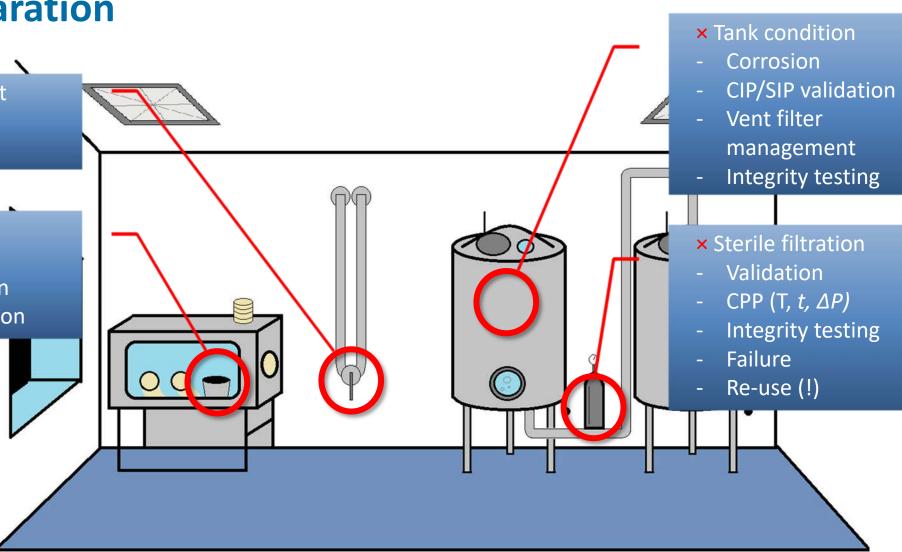
Solution preparation

× Water management

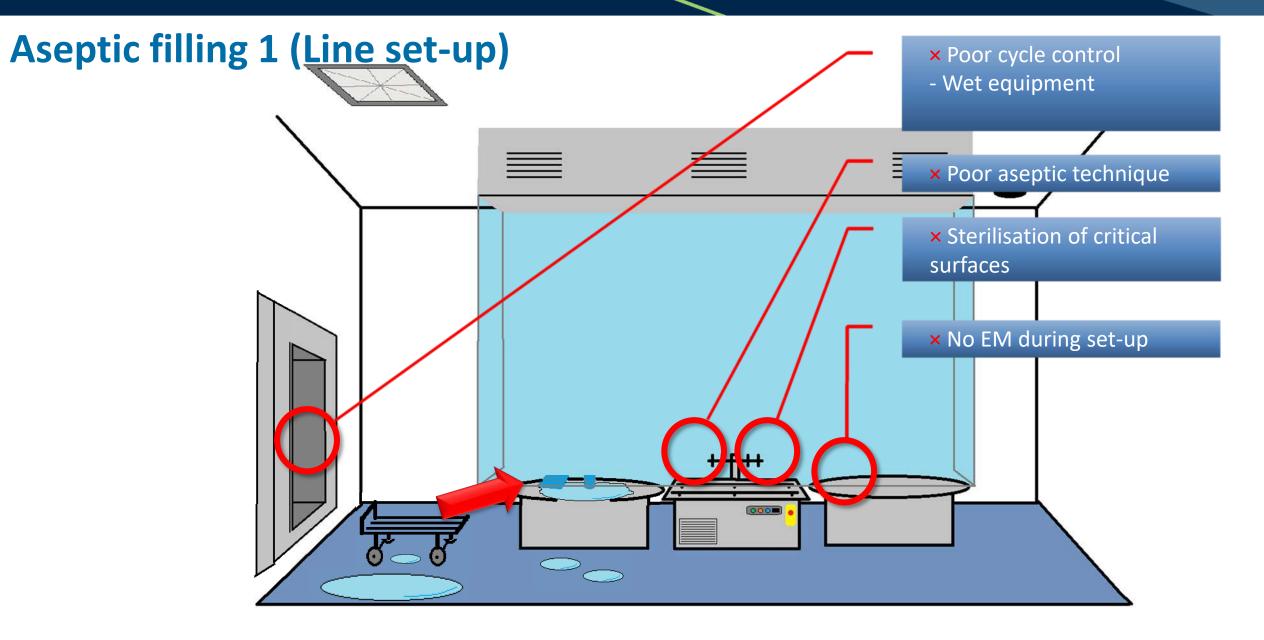
- Monitoring
- Sanitisation

× Dispensing

- Cleanliness
- Cleaning validation
- Cross-contamination

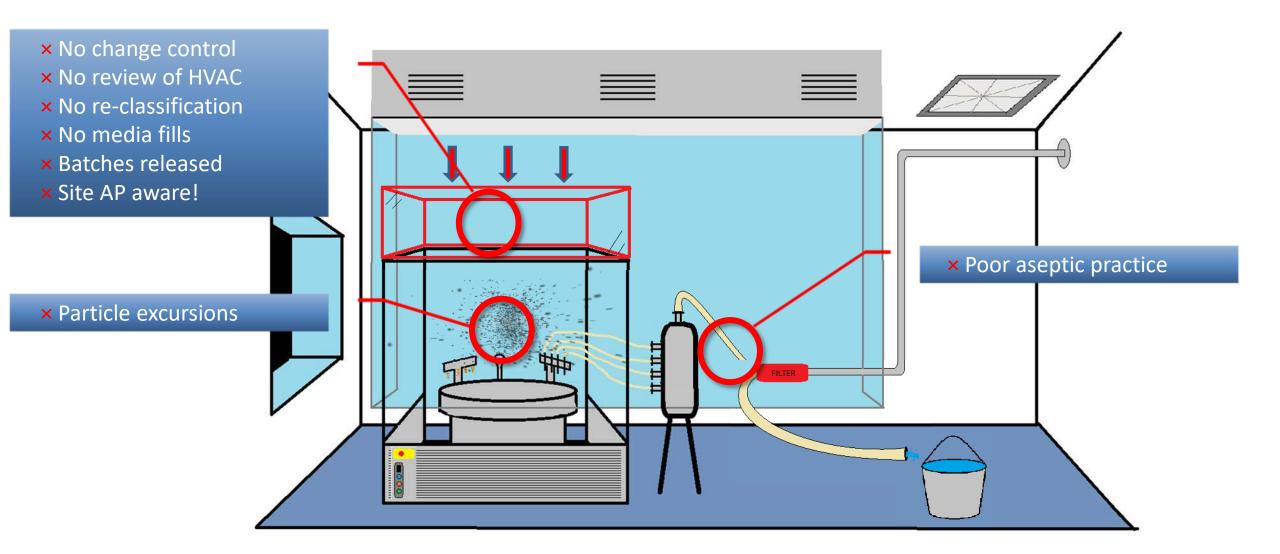






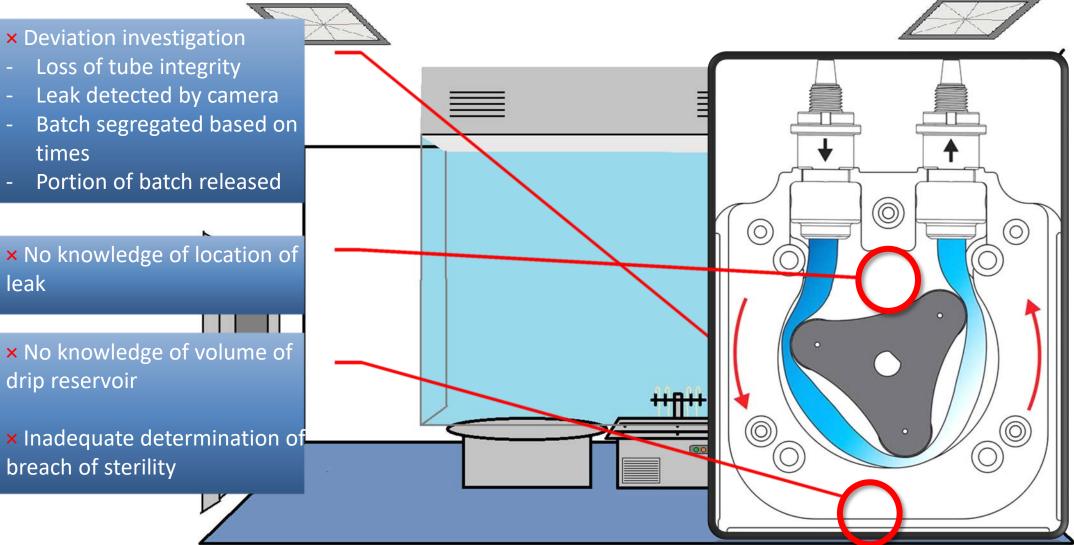


Aseptic filling 2 (Ampoule filling)



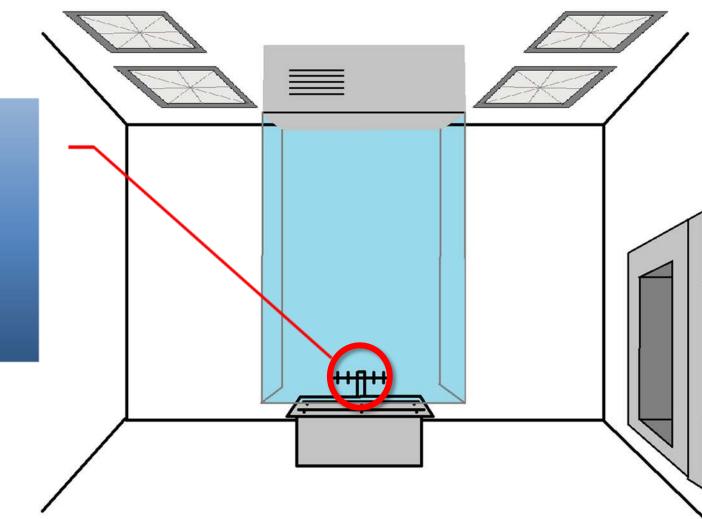


Aseptic filling 3 (Non-filterable product)





Media fills (APS)

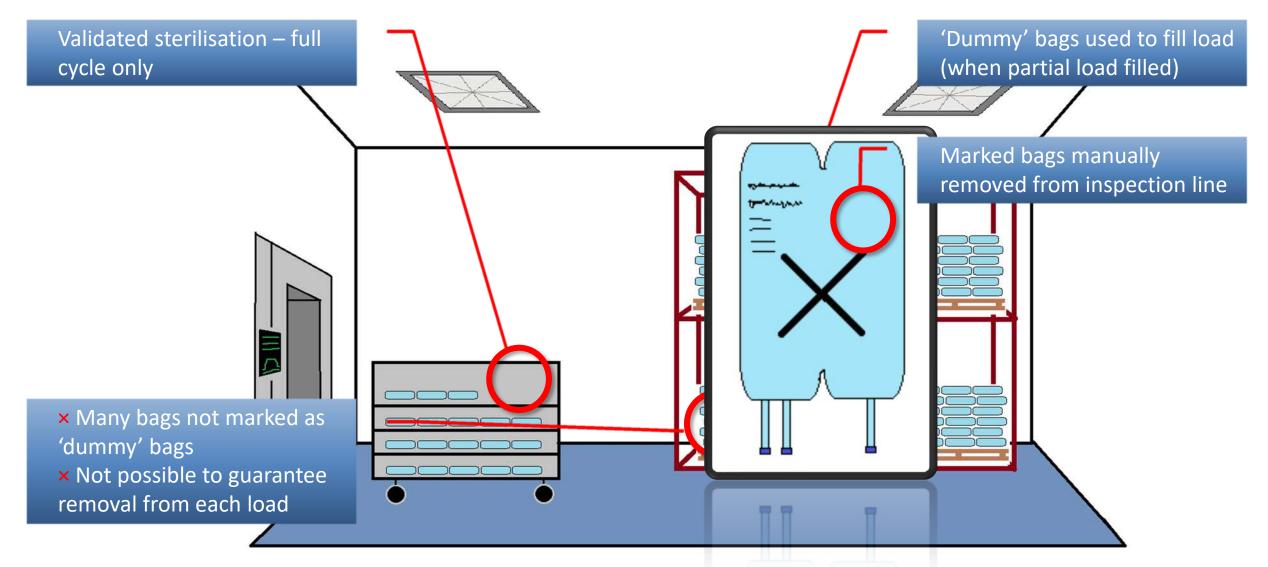


× Inadequate program
design
× Frequency
× Ensure all operator

- involvement
- × Acceptance criteria
- × Investigation of failures
- × Invalidation of positive units

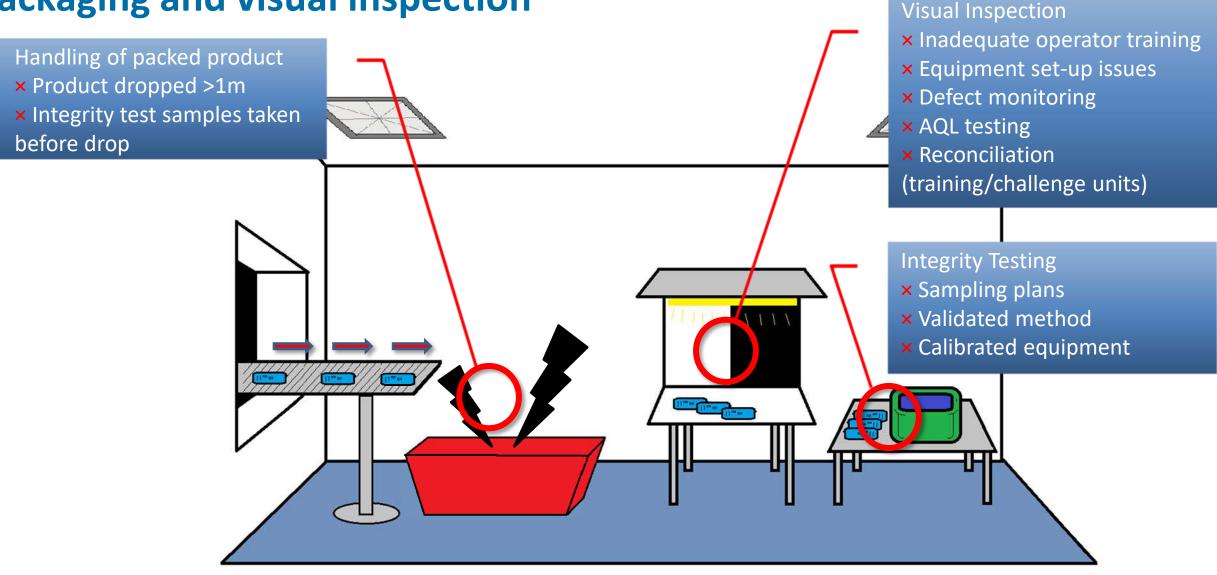


Terminal sterilisation (LVP)



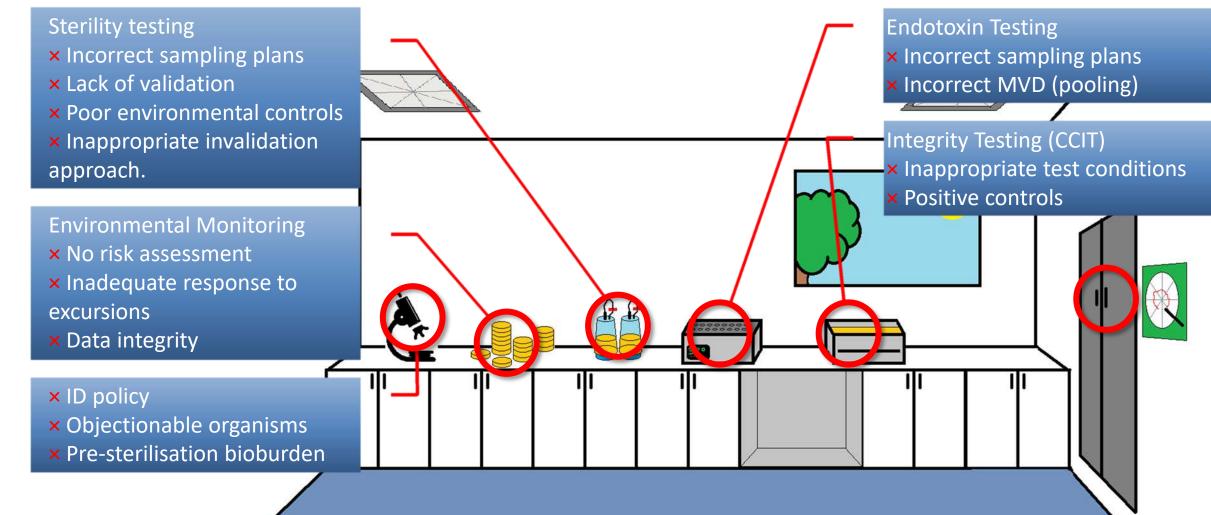


Packaging and visual inspection

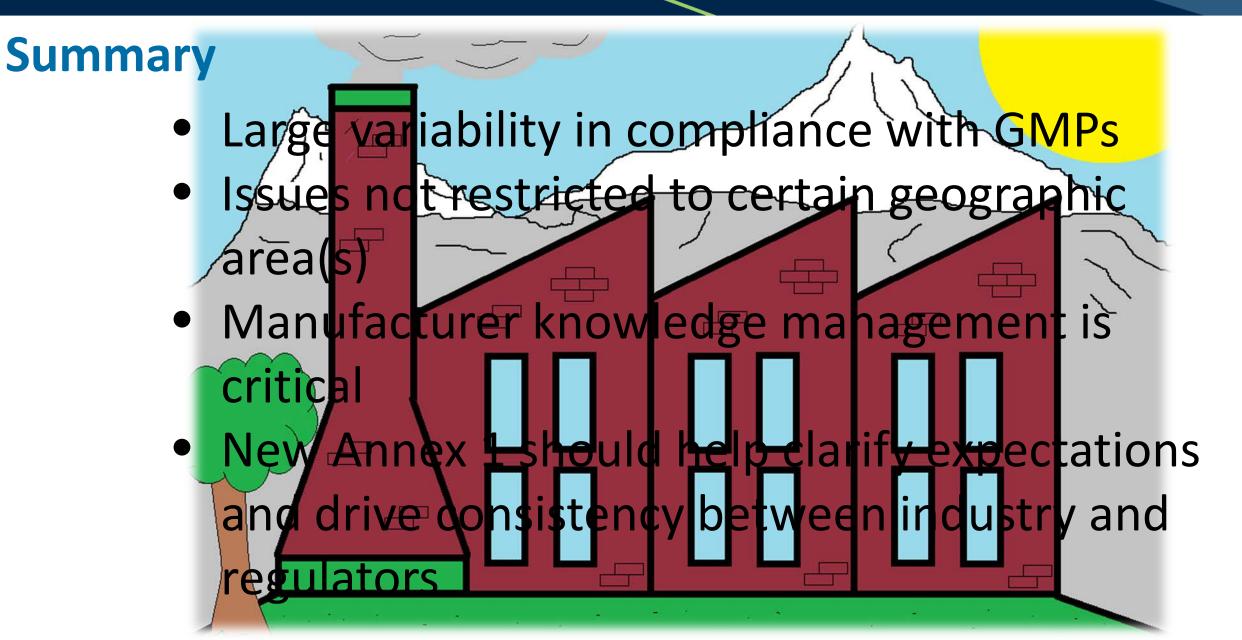




Quality Control (microbiology)









Australian Government

Department of Health Therapeutic Goods Administration