

Introduction

## Validation of ready-to-use bags for anticancer drug administration : microbiological stability and physical integrity



As part of the implementation of standardized doses of anti-cancer drugs, the pharmacy wants to manufacture bags of chemotherapy in batches and in advance. The current manufacturing process involves **purging the tubing** with the reconstitution solvent connected to the bag. The connection of the tubing to the bag represents a **critical point of microbial contamination**.

Objective: Validation of the microbiological stability and physical integrity of the bags connected to the purged tubing during the entire storage period.



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## **Discussion – Conclusion**

The connection of the tubing to the bag does not lead to microbiological contamination under the storage conditions studied. Due to the evaporation of the solvent (out of specification) from the tubing at day 90, bags connected to a purged tubing can be stored for <u>60 days</u>.

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