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Context

- High-risk preparations are carried out in vacuum isolators in controlled area
- Isolator failure → Maintenance of sterility in the working environment ?

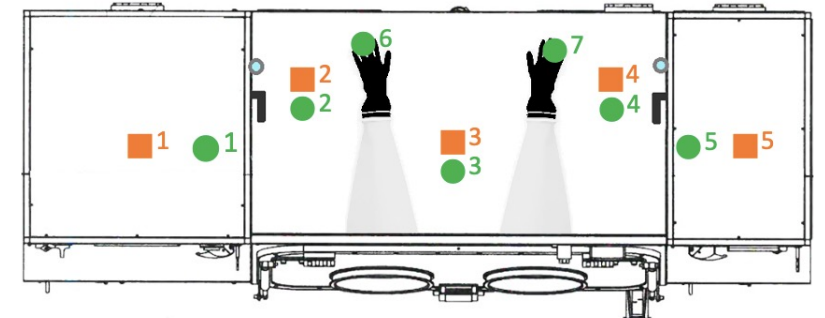
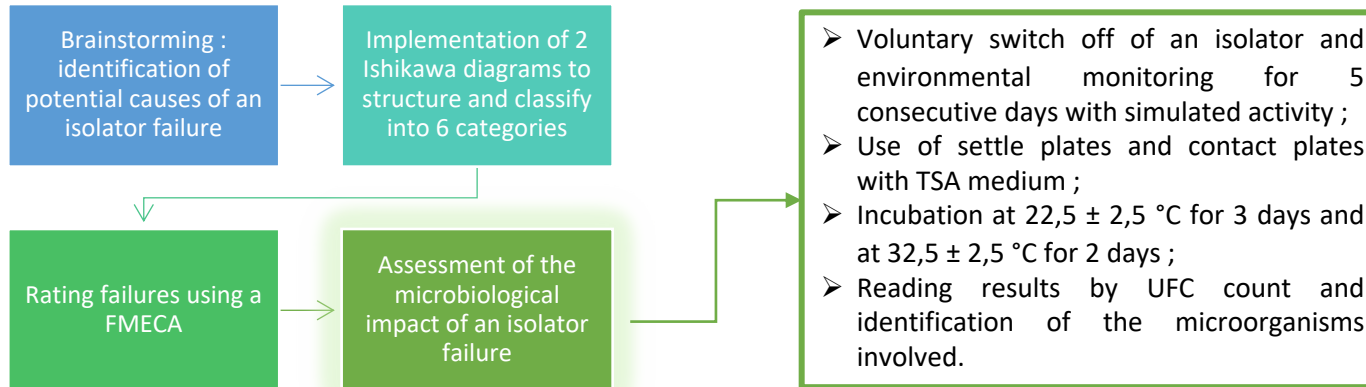


Objectives

- 1) Define the various problems or situations that can lead to the failure of an isolator and prevent them through the implementation of appropriate actions
- 2) Determine the microbiological impact of an isolator failure on the working environment



Materials and methods



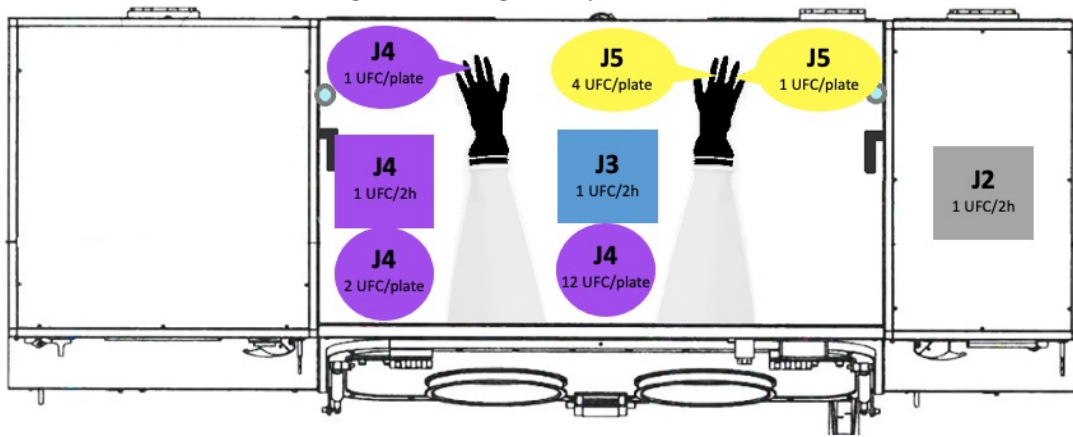
Sampling points in the isolator

■ = settle plate [sedimentation time = 2 hours]

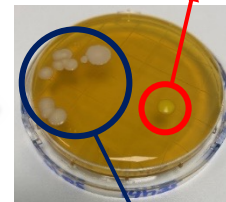
● = contact plate

Results

✓ Growths detected during microbiological impact assessment :



Micrococcus sp.



Staphylococcus sp.

Additional information on the 29 identified failures and the microbiological impact assessment



Conclusion

- ✓ Identification and quantification of potential risks associated with an isolator failure ;
- ✓ Assurance of being able to finish the current work session when a failure occurs.