



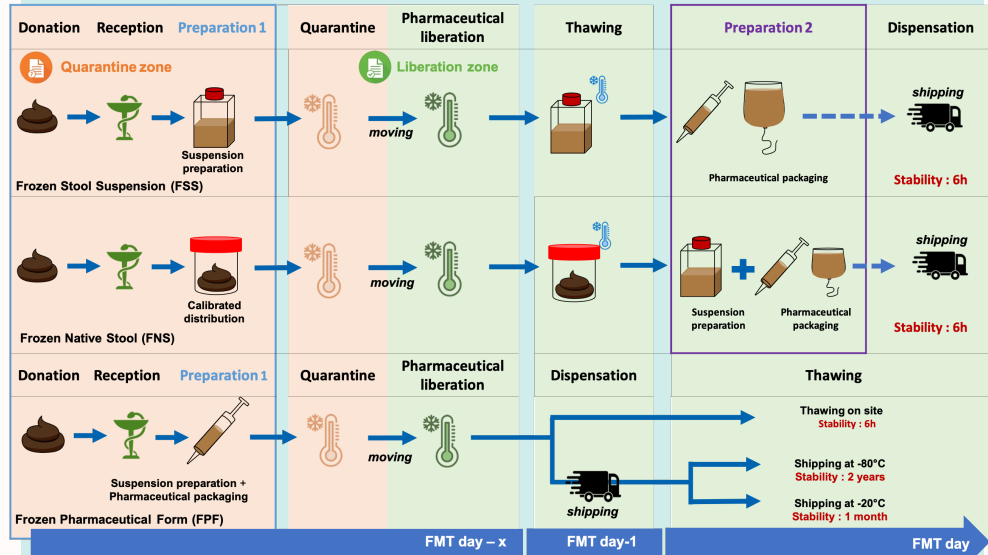
Best step to freeze fecal microbiota transplants: native faeces, faecal suspension or pharmaceutical forms ?

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BACKGROUND

For the past 10 years, procedures for preparing and preserving fecal microbiota transplants have considerably evolved

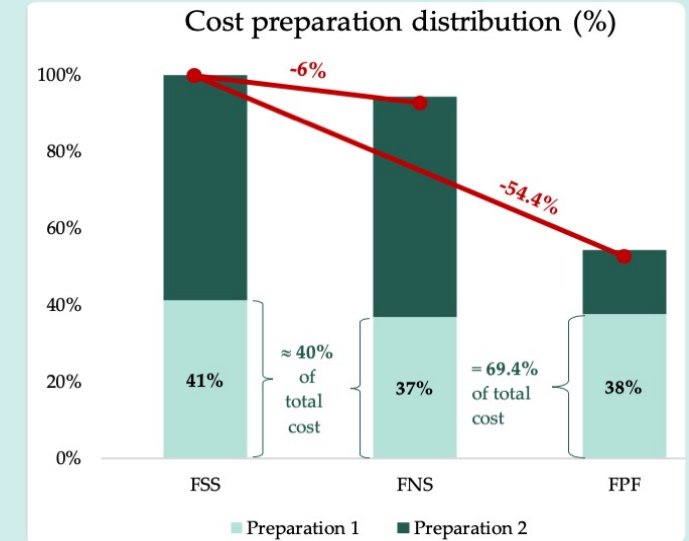
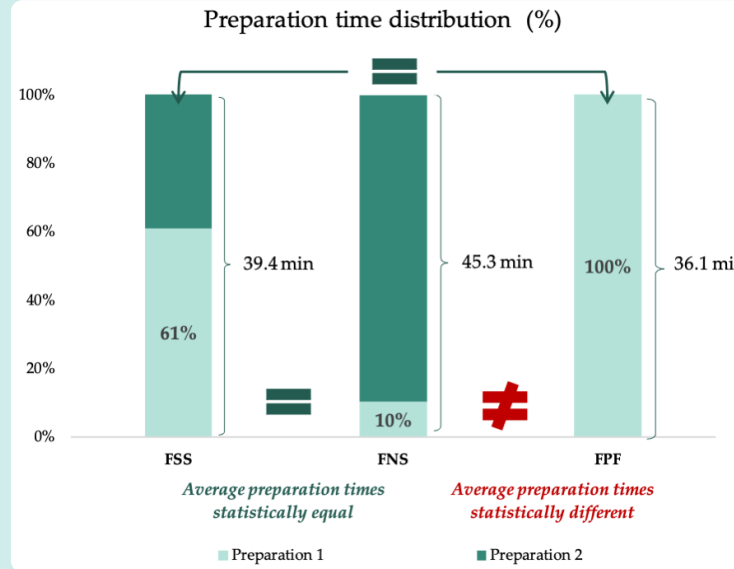
What is the best step to freeze fecal microbiota transplants ?



RESULTS

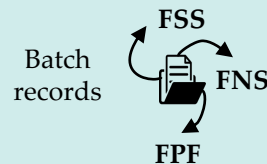
Total price = cost « Preparation 1 » + cost « Preparation 2 »
= Materials cost + (staff cost) x time « Preparation 1 » + Materials cost + (staff cost) x time « Preparation 2 »
Cost « Preparation 1 » = wasted costs if biological non-compliance

67 batch records
17 FSS
34 FNS
16 FPF



SETTING & METHOD

Who ? Patients treated for CDI2r
What ? Batches record, clinical files
When ? November 2021 -June 2023
Where ? Saint-Antoine Hospital FMT Center
How ? Comparison of preparation times and pharmaceutical costs performed by Mann-Whitney test ($\alpha = 5\%$).



Prerequisites

Study of syringes resistance to freezing/thawing
Effectiveness study of FNS transplants in the treatment of recurrent *Clostridoides difficile* infection

CONCLUSION

Practices evolution of in a fecal microbiota transplant preparation unit

 Rapid thawing possible = transplants available more quickly in emergencies Expensive	 FNS preparation avoids wastage of materials and donations without loss of time Convenient : optimisation of pharmaceutical organization Avoiding handling without stool biosafety validation Simple	 Practicable as it enables transplants to be dispensed over a wider area at no extra cost = preparation reserved for remote patients Waste of material and time if the donor is not validated
Clinical efficacy : preliminary results positive		

Key words : FMT – cryopreservation – pharmacotechny

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