



Optimization of SPATT Production Method and Determination of Storage Viability

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Production Method

Objective - Streamline production of SPATTs

- Previously took 3 days to make a batch of SPATTs
- New method allows a batch to be produced within 2 hours

Procedure:

- Made 18 SPATTs total (half with new method/half with old method)
- Triplicates of each type left out for 1 day, 7 days, or 14 days
- Done in January and September of 2022



Storage Viability

Objective – Determine optimal conditions for storing SPATTs and how long they remain effective

- Made 30 SPATTs total
 - Half were stored in 100% GenPure, Half were stored in 20% methanol
 - Triplicates for each treatment stored for 1 month, 2 months, 4 months, 6 months, or 12 months
 - Triplicate of fresh SPATTs made within 24 hours of deployment to serve as a control
- Currently have data through 4 months
- 6-month samples have been collected but not processed
- 12-month will be completed in June

