The Impact of Thaw Stage on Fat Retention

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Environmental Scan







OhioHealth Mothers' Milk Bank





Terminology

- Thawing
- Decanting
- Bag Milking



Research Methods

- Fresh HM
- Baseline fat
- Assigned to one Thaw Stage
 Liquid
 - o lce
- Divided between Bag Milking
 Yes
 - o No
- Frozen 55-65 days
- Thawed & Decanted
- Fat (blinded)

Preliminary Results



Preliminary Results - Bag Milking



Preliminary Results - Thaw Stage



Preliminary Results - Fat



Preliminary Results -Volume



Preliminary Results -Interaction of Thaw Stage & Volume



Preliminary Conclusions

- Greatest fat loss = high volume, ice
- Least fat loss = high volume, liquid
- Take home message: Thawing to a more liquid state may help decrease fat loss at this step
 O More research needed on Bag Milking

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