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### Stability of Ampicillin in Normal Saline Following Refrigerated Storage and 24-hour Pump Recirculation

Mariah A. Huskey

*East Tennessee State University*

Paul O. Lewis

*Ballad Health*

Stacy D. Brown

*East Tennessee State University*

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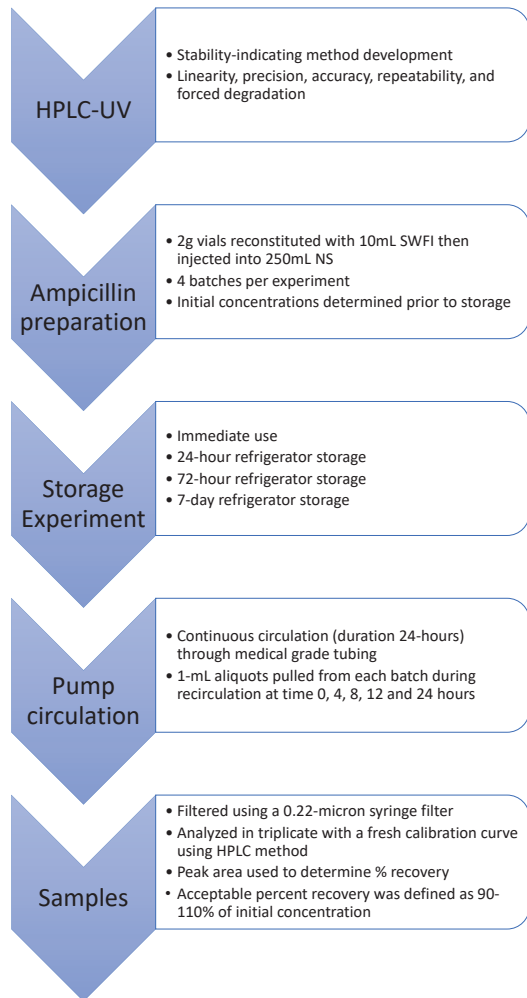
# Stability of ampicillin in normal saline following refrigerated storage and 24-hour pump recirculation

Mariah Huskey, BS, PharmD Candidate  
huskeym@etsu.edu

## PURPOSE

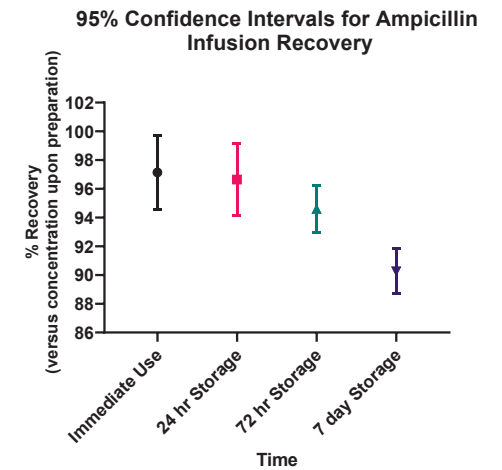
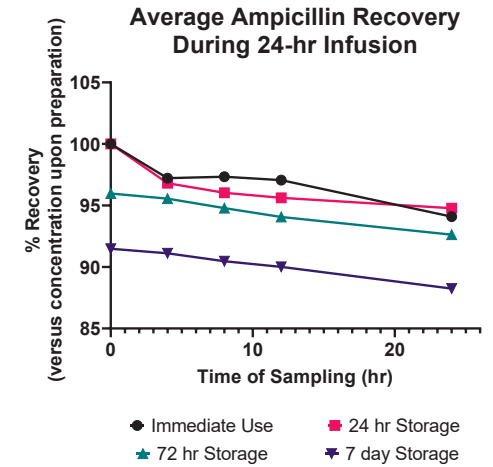
- Use of ampicillin in outpatient parenteral antimicrobial therapy (OPAT) has historically been complicated by frequent dosing and short beyond use dates. This study investigates the possibility of preparing ampicillin in normal saline for continuous infusion and storing it prior to use.

## METHODS



Ampicillin can be prepared and stored in a refrigerator for up to 72-hours prior to continuously infusing at room temperature over 24-hours with less than a 10% loss of potency.

## RESULTS



- Percent recovery remained above 90% for all batches and time points except for the 7-day storage experiment after 4 hours of circulation through the medical grade tubing

Mariah Huskey BS, PharmD Candidate<sup>1</sup>, Paul Lewis PharmD, BCPD (AQ-ID)<sup>2</sup>, Stacy Brown PhD<sup>1</sup>



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