GROUP: Membrane

TEAM LEADER: SMR

INSTRUCTOR: SMR

DATE    CHECKED BY
Proposal Accepted   SMR
Data Sheet Accepted  SMR
Lab check-out & Cleanup Accepted   TA
Presentation Accepted   SMR
Final Report Accepted   SMR

NOTES:

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PROBLEM STATEMENT

Using the tangential flow separation unit:

1. Determine the overall mass transfer coefficient for potassium transport from a concentrated solution to a clean saline solution.

2. Determine the mass transfer coefficients for the feed, membrane, and dialysate based on mass transfer correlations.

3. Compare your results for Parts 1 and 2 and explain any differences. Provide experimental evidence to support your arguments as applicable.