

# Lab Protocol: Module 05 — Membranes

## Lab Title

*[To be determined]*

## Overview

*This lab protocol is a stub and will be developed with detailed procedures, materials, and safety information.*

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## Learning Objectives

- Observe osmosis and diffusion in living and model systems
- Predict cell behavior in different solution types
- Investigate factors affecting membrane transport
- Calculate rate of diffusion

## Estimated Duration

*2-3 hours*

## Materials Needed

*[To be listed]*

## Safety Considerations

*[To be listed]*

## Procedure

*[To be developed]*

## **Data Collection**

*[To be developed]*

## **Analysis Questions**

*[To be developed]*

## **Conclusion**

*[To be developed]*

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*Note: This is a placeholder document. Complete lab protocol to be developed.*