

# Lab Protocol: Module 09 — Cell Division: Mitosis

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BIOL-1

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## 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

- Identify the stages of mitosis under a microscope
- Understand the cell cycle and its checkpoints
- Calculate the mitotic index of a cell population
- Compare mitosis in plant and animal cells
- Explain the importance of cell division for growth and repair

## 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.*