

# Lab Protocol: Module 14 – Biotechnology and Genomics

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*BIOL-1*

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| <b>Name:</b> _____ | <b>Date:</b> _____ |
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## 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

- Understand basic techniques in molecular biology
- Model DNA extraction and gel electrophoresis
- Explore applications of biotechnology in medicine and agriculture
- Analyze ethical considerations in genetic engineering
- Interpret genomic data and sequence information

## 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.*