

Lab Protocol: Module 14 — Biotechnology and Genomics

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.

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]

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