



Nov 12, 2020

## Lab 5 Notebook

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<sup>1</sup>UCSC**1** *Works for me* [dx.doi.org/10.17504/protocols.io.bpnbmman](https://dx.doi.org/10.17504/protocols.io.bpnbmman)

DOI

[dx.doi.org/10.17504/protocols.io.bpnbmman](https://dx.doi.org/10.17504/protocols.io.bpnbmman)

DOCUMENT CITATION

2020. Lab 5 Notebook. **protocols.io**  
<https://dx.doi.org/10.17504/protocols.io.bpnbmman>

FORK FROM

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CREATED

Nov 12, 2020

LAST MODIFIED

Nov 12, 2020

DOCUMENT INTEGER ID

44451

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## Abstract

### Prelab

1. Name and describe the 3 stages of PCR.
2. Describe how gel electrophoresis is used to distinguish between DNA base pair lengths.
3. If I wanted to amplify a template strand of DNA, what are all of the reagents that would go along with the template strand in a PCR tube? What is each reagent's function in the experiment? Give a single sentence for each reagent.

### **Dry Lab Answers**

Provide the information asked of you in the Dry lab for steps 3-6 & 8-11.

Give a picture of your gel electrophoresis results and explain what you can determine because of this.

### **Post Lab**

Write about a half a page on a recent article that used gel electrophoresis and give an analysis on what they did in the experiment and how gel electrophoresis played a role. Give DOI and the article's name.

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