NOV 12, 2020

Lab 5 Notebook

Forked from [Lab 5 Notebook](#)

Ikenna Anigbogu¹

¹UCSC

DISCLAIMER

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.bpnbmman

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

License: This is an open access document distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Created: Nov 12, 2020

Last Modified: Nov 12, 2020

DOCUMENT integer ID:
 44451

DISCLAIMER

DISCLAIMER – FOR INFORMATIONAL PURPOSES ONLY; USE AT YOUR OWN RISK

The protocol content here is for informational purposes only and does not constitute legal, medical, clinical, or safety advice, or otherwise; content added to [protocols.io](#) is not peer reviewed and may not have undergone a formal approval of any kind. Information presented in this protocol should not substitute for independent professional judgment, advice, diagnosis, or treatment. Any action you take or refrain from taking using or relying upon the information presented here is strictly at your own risk. You agree that neither the Company nor any of the authors, contributors, administrators, or anyone else associated with [protocols.io](#), can be held responsible for your use of the information contained in or linked to this protocol or any of our Sites/Apps and Services.

DISCLAIMER – FOR INFORMATIONAL PURPOSES ONLY; USE AT YOUR OWN RISK

The protocol content here is for informational purposes only and does not constitute legal, medical, clinical, or safety advice, or otherwise; content added to [protocols.io](#) is not peer reviewed and may not have undergone a formal approval of any kind. Information presented in this protocol should not substitute for

independent professional judgment, advice, diagnosis, or treatment. Any action you take or refrain from taking using or relying upon the information presented here is strictly at your own risk. You agree that neither the Company nor any of the authors, contributors, administrators, or anyone else associated with [protocols.io](https://dx.doi.org/10.17504/protocols.io.bpnbmman), can be held responsible for your use of the information contained in or linked to this protocol or any of our Sites/Apps and Services.

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.

Disclaimer:

The information provided on this document is intended for the educational purposes of the BME 22L laboratory course. It is worth noting that the information listed on this document is subject to change and is not finalized. Therefore, the information on this document should not be used outside of this course.