



BABEC Mitochondrial DNA Sequencing PCR Debriefing Form

1. Teacher Information

Name _____ School _____

2. Partnership _____

3. Subject/ Class (select all that apply)

- | | |
|---|---|
| <input type="checkbox"/> Adv./ Honors Biology
<input type="checkbox"/> AP Biology
<input type="checkbox"/> Biology
<input type="checkbox"/> Biotechnology
<input type="checkbox"/> Cell Biology
<input type="checkbox"/> Chemistry | <input type="checkbox"/> Environmental Science
<input type="checkbox"/> Forensics
<input type="checkbox"/> Genetics
<input type="checkbox"/> Integrated Science
<input type="checkbox"/> Other, please specify
_____ |
|---|---|

4. Provide the number of students for each section. If you marked multiple classes, above, please specify the class on each line (ex. Adv. Bio – 30, Biology – 32):

Section 1 _____	Section 4 _____
Section 2 _____	Section 5 _____
Section 3 _____	

5. What previous micropipetting experience did your students have?

6. Did you have major problems with your PCR reaction (ie. no bands)?

Yes No

7. If you marked yes, please describe the reagent storage conditions. Check the appropriate box for each reagent.

Reagents	Fridge	Freezer	Room Temp.	N/A
Master mix				
Primer mix				
+ control DNA				
MW marker				
Chelex				

8. Did you receive Big Dye sequencing reagents? Yes No
If so, please describe the storage conditions of these reagents:

9. **Tell us about your students' results:**
of student runs _____
of successful amplifications _____
of ambiguous results _____
10. **Were the bands distinct and easily readable?**
Yes No
Comments:
11. **Were positive control reactions set up in each of your classes?**
Yes No
Comments:
12. **Were negative control reactions set up in each of your classes?**
Yes No
Comments:
13. **Was a ladder run on all of the gels?**
Yes No
Comments:
14. **Did you see bands other than at 440 bp?**
Yes No
Comments:
15. **If your results did not turn out as expected, what problem(s) do you think may have occurred?**
16. **How were your students' PCR products sequenced?**
Applied Biosystems CSU-EB
DNALC
17. **If you answered other, above, please specify source of sequencing:**
18. **Have you received the results of the sequencing yet?** Yes No
19. **Tell us about the sequencing results:**
of reactions submitted for sequencing _____
successfully sequenced _____
20. **Has your class(es) used the DNALC Sequence Server?**
Yes No Plan to
21. **How was the support you received? Please specify the source (another teacher, partnership coordinator, BABEC outreach coordinator, etc.).**

- 22. What additional support would have been helpful?**

- 23. What was your students' overall reaction to the lab/unit? If possible, please include a quote or anecdote.**

- 24. Additional comments:**