



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

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
10X PCR Buffer				
25mM MgCl ₂				
10mM dNTP mix				
AmpliTaq				
PC01 forward primer				
PC02 reverse primer				
Calf thymus DNA				
MW Marker				

8. **Tell us the results of the Lambda DNA amplification:**
of student runs _____
of successful amplifications _____
of ambiguous results _____
9. **Were the bands distinct and easily readable?**
Yes No
Comments:
10. **Tell us the results of the negative control reactions:**
of negative control reactions _____
of reactions with bands _____
11. **Was a ladder run on all of the gels?**
Yes No
Comments:
12. **Did you see bands other than at 550 bp?**
Yes No
Comments:
13. **If your results did not turn out as expected, what problem(s) do you think may have occurred?**
14. **How was the support you received? Please specify the source (another teacher, partnership coordinator, BABEC outreach coordinator, etc.).**
15. **What additional support would have been helpful?**
16. **What was your students' overall reaction to the lab/unit? If possible, please include a quote or anecdote.**
17. **Additional comments:**