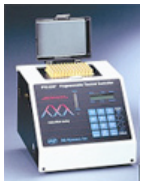
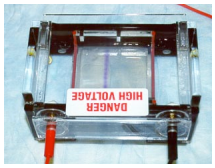
DNA Sequencing in 10 Easy Steps

1. Separate and individually label samples for reference.

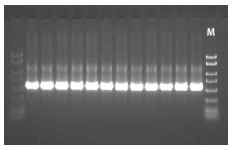
2. Perform DNA Extraction, labeling extractions to match above. Save in the refrigerator.



3. Individually amplify 1-2uL of each sample via PCR, labeling amplifications to match above.



4. Electrophores 3uL of each PCR productand DNA ladder on an agarose gel. Save remaing PCR product at room temp.



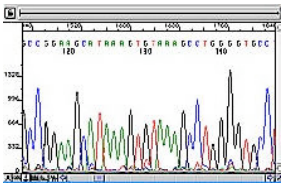
5. Stain and photodocument the gel. Don't throw your gel away until you have a good picture.

6. "Clean" 5uL of sucessful PCR products by digesting with SAP/EXO. Save extra PCR product at room temp.

7. Use 1-2uL of your cleaned PCR product in DNA sequencing reaction. You will perform one reaction separately for each primer for each sample.

8. Precipitate DNA sequening reactions by adding 40uL of 70% isopropyl alcohol. Wait 1 hour, centrifuge 1 hour, remove supernate and dry the DNA pellet.

9. Resuspend DNA pellet in DNA sequencing loading buffer and load onto sequencer for analysis.



10. Edit resulting sequences in Sequencher and compile for data analysis.