EXPERIMENT 12: PV92 PCR Informatics

1. What is the purpose of the InstaGene matrix in the solution with your cheek cells? What happens if you transfer some of this matrix to your PCR reactions?

2. Describe the three steps in the Polymerase Chain Reaction and their general temperatures.

3. Why do we use the Taq polymerase in our PCR reactions?

4. Identify the following bands as indicative of homozygous or heterozygous, and what that term means in reference to the presence of the Alu sequence.