

AP Biology Free- lab 4.4: pGLO Bacterial Transformation

1. What is bacterial transformation?
2. Explain the genetics of bacteria (its genome and plasmid).
3. "What benefits are plasmids to prokaryotes?" How are plasmids transferred from one bacterium to another?
4. Explain how recombinant pGLO plasmid DNA is created from jellyfish DNA and bacterial plasmid.
5. How will the pGLO plasmid be introduced into the E. coli bacterium?
6. If we were to put a black light up against the recombinant DNA, will we expect to see the DNA glow? Why or why not?
7. What is the purpose for putting antibiotic sugar into the agar plate?

Biology Pglo Transformation Student Guide Answer Key

Peipei Pang



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