



**CALIFORNIA STATE SCIENCE FAIR
2010 PROJECT SUMMARY**

Name(s) Frida A. Montoya	Project Number J2121
Project Title Which Antibacterial Wipe Brand Will Kill the Most Bacteria?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals My project is to determine which antibacterial wipe brand is better for killing bacteria. I believe that the antibacterial wipe brand with the greater amount of Clorox will be the most successful in doing so.</p> <p>Methods/Materials Three different brands of antibacterial wipes (Green Works, Supreme Clean, Clorox) were tested in killing the same kind of bacteria. The bacteria was put on a Petri dish along with unflavored jell-o. The bacteria was collected from a dirty dog bowl. The unflavored jell-o was dissolved with hot water. Then, a layer of the dissolved jell-o was poured to cover the bottom of each Petri dish. Once the bacteria was set in each of the Petri dishes it was left in a warm, undisturbed place so that bacteria were able to grow. After the bacteria grew, it was observed through a microscope. Then, each antibacterial wipe brand was tested in killing the bacteria. All of the antibacterial wipe brands had their own set of bacteria and were tested for three days. Five drops of the antibacterial wipe brand juice was put on the Petri dish to kill the bacteria then, the number of bacteria that were alive and dead were recorded the next day. After three days results were drawn by averaging the number of bacteria dead from each antibacterial wipe brand.</p> <p>Results The antibacterial wipe with the greatest number of bacteria killed (on average) was Clorox, with 20 bacteria killed. Green Works and Supreme Clean tied together, for second, at 14 bacteria killed.</p> <p>Conclusions/Discussion In conclusion, antibacterial wipes with the greater amount of Clorox are more useful in killing bacteria.</p>	
Summary Statement This project tests the ability of antibacterial wipe brands (Clorox, Green Works, Supreme Clean) in killing bacteria.	
Help Received Mom and Dad bought my materials; Ms. Sumner let me borrow some scientific instruments.	