



**CALIFORNIA STATE SCIENCE FAIR
2008 PROJECT SUMMARY**

Name(s) Rima T. Sabih	Project Number J1822
Project Title Bacteria Police	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals My objective was to determine which type of the following liquid antibacterial soap would kill the most bacteria: Dial, SoftSoap, or Target soap. My hypothesis was that Dial would kill the most bacteria.</p> <p>Methods/Materials I used 10 petri dishes that were split into three parts, where I poured agar solution into each part of the petri dishes. I allowed the agar to dry before I planted <i>Micrococcus luteus</i>, which is a common skin bacteria. Afterward, I placed the petri dishes into a homemade incubator.</p> <p>Results SoftSoap killed the most bacteria. It killed 59% of the bacteria, while Dial and Target soap killed 53% of the bacteria.</p> <p>Conclusions/Discussion My conclusion was that my hypothesis was incorrect and SoftSoap killed the most bacteria. However, all the antibacterial soaps that I used killed only a certain amount of the skin bacteria but they did not eliminate all of the bacteria.</p>	
Summary Statement My project is to determine which type of liquid antibacterial soap would kill the most bacteria.	
Help Received My father helped cut the Plexiglas hole for my homemade incubator, which I could not do for safety reason.	