



**CALIFORNIA STATE SCIENCE FAIR
2003 PROJECT SUMMARY**

Name(s) Aubrey L. Baldwin	Project Number J1303
Project Title Germs, Infection, Bacteria! Oh My!	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals To determine if liquid Colloidal Silver would kill bacteria found on your hands.</p> <p>Methods/Materials Using 27 human subjects, I had each individual wipe their fingers on agar in 2 petri dishes. All were swabbed on the same day. After three days, I measured the amount of bacteria grown in each petri dish, and then began treating 1 sample from each individual with Colloidal Silver spray, while keeping 1 sample from each individual as a control(untreated). Petri dishes Agar Colloidal Silver</p> <p>Results In the two trials run, Colloidal Silver was effective in inhibiting further growth of bacteria in the test dishes, and in some cases, stopping the growth altogether, while the bacteria continued to grow in the control dishes.</p> <p>Conclusions/Discussion I concluded that Colloidal Silver spray is an effective treatment in slowing, and in some cases, stopping, the growth of bacteria. My experiment leads me to believe that there are many kinds of treatments for killing bacteria, besides soap and water, or even drugs. If Colloidal Silver was used immediately, at the first sign of bacteria growth, it might possibly wipe out all growth of the bacteria.</p>	
Summary Statement My project is about how Colloidal Silver spray affects the growth of bacteria from your hands.	
Help Received Guidance from my teacher Debbie Dolan	