



**CALIFORNIA STATE SCIENCE FAIR
2012 PROJECT SUMMARY**

Name(s) Mohamed A. Ibrahim	Project Number S1511
Project Title Don't Forget to Deodorize	
Abstract Objectives/Goals Deodorant and antiperspirant deodorant are two substances that are applied to the body to decrease body odor. This study examined the relationship of the amount of bacteria, <i>Staphylococcus Epidermidis</i> , with two different types of deodorant. Methods/Materials Bacteria were incubated in Petri dish that included agar with nothing (dependent), deodorant, or antiperspirant on top. Data was recorded every six hours for a total period of 72 hours. The experiment was done 10 times for every variable, 30 in total. Results The results suggest that deodorant decreases the amount of bacteria while antiperspirant increases the amount. This experiment can lead to new inventions such as ones that kill bacteria instead of covering up their smell. Conclusions/Discussion Due to the fact that these products are popular and widely used, it is crucial to know and understand their harmful effects. People use antiperspirant believing that it will serve them better than deodorant, not knowing the negative aspects. My experiment unravels the myth of antiperspirant and proves the advantage of deodorant. Manufacturers should attempt to produce healthier products that kill bacteria and last longer duration.	
Summary Statement My project is about the effects of deodorant and antiperspirant on bacteria.	
Help Received No one helped me with my project	