

CALIFORNIA STATE SCIENCE FAIR 2012 PROJECT SUMMARY

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Project Title How Effective Are Automatic Soap Dispensers?	
Abstract	
 My project goal is to test my hypothesis, which states that automatic soa pumps are equally effective against bacteria since you wash your hands one. Methods/Materials In order to test my hypothesis, I inoculated my hands and washed them, swabbed my hands and then repeated the process, only this time using a hands were then cultured and I counted the bacterial colonies. I tested te restrooms to my own kitchen sink. Results My results did not support my hypothesis. I found that automatic soap d effective than manual soap pumps, so they are most likely a better choic Conclusions/Discussion My project results were very surprising, because I also determined that the colonies on the soap pumps themselves, so I wouldn't expect it to make touched them. If I were to continue this project, I would increase the num different locations, as well as see if the volume of soap dispensed from a difference, but so far, spending extra money on an automatic soap dispet it. My project results will be helpful to those working in schools, restaur there may be an abundance of germs.	ap dispensers and manual soap immediately after using either , using a manual soap dispenser, in automatic soap dispenser. My en sites, varying from gas station lispensers are actually 31% more ce to keep your hands clean. there were not many bacterial a difference, just because I mber of sites, especially in automatic soap pumps makes a enser would most likely be worth rants and hospitals, or wherever
Summary Statement I compared the effectiveness of automatic verses manual soap dispenser	rs.