



Colorado Science and Engineering Fair

2024 Individual Project Abstract Form

Please print 2 copies of the completed form. Sign both copies, keep 1 for your notebook and submit 1 copy to your Regional Fair Director with your other paperwork.

Title of Project: The Effect Of Antibacterial Soap On Abilities To kill Bacteria

Finalist's Name: Tymbri Priestley

School and City: school name, school city

Sponsor's Name: Adam Priestley

Category: Micro & Molecular Biology (MCRO)

Division: Junior (6th - 8th grades)

Abstract (250 words or less):

Abstract

My project is The Effect Of Antibacterial Soap On Abilities To Kill Bacteria. My question is how does antibacterial soap vs regular soap help kill or delay the growth of bacteria. According to my research antibacterial soaps are no more effective than regular soap to kill bacteria. How I did this was I poured my agar, let it solidify, scrubbed a door knob with a Q-tip then wiped it on the petri dish and let the bacteria grow. I did this with six petri dishes. Then I put soap on hole punched paper and laid them on a spot of bacteria. I saw that equate regular moisturizing soap did the best with killing bacteria and SoftSoap regular scented soap did the worst at killing bacteria. I reject my hypothesis because regular soap did better than antibacterial soap because they both have antibacterial properties in them.

I hereby certify that the above statements are correct and the information provided in the Abstract is the result of one year's research. I also attest that the above properly reflects my own work.

Finalist's Signature:

Tymbri Priestley

Date:

2/22/2024

In addition, all students must complete the ISEF Student Checklist (1A), Research Plan, Approval Form (1B), and Checklist for Adult Sponsor (1), and any other ISEF forms required for this type of project. See the International Rules and Guidelines for form requirements. Return COPIES of all of these forms to your Regional Fair Director with you Finalist Verification/Permission Form. A signed copy of this form must be included in your notebook.