



Colorado Science and Engineering Fair

2025 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: Bacterial Pursuit

Finalist's Name: Emily Ridl

School and City: St. John the Baptist Catholic School, Longmont

Sponsor's Name: Amy Ridl

Category: Micro & Molecular Biology

Division: Junior (grades 6 - 8)

Abstract (250 words or less):

The purpose of my experiment was to discover which cleaning solution worked best against Bacteria. The hypothesis was that if I put different cleaning products then Clorox will kill more bacteria because it has a stronger chemical make-up than most cleaning products and it also has more antibacterial substances. When plating the organisms for this experiment I used a L- spreader to spread the organism around the pate. Before I closed the plates and got them ready to go into the incubator I put some of each solution on some of the test discs and placed them on certain sections of the plate that I labeled to know which solution was which. In the end my hypothesis was correct because the Clorox did the best overall against all of the bacteria.

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:

Date:

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.**