

# Abstract

**Project Title: What's Your Mouth Really Hiding?**

**Project ID: 533**

## Abstract

A brief explanation of your project. Enables judges to receive a base understanding of your project and work.

*Abstract:*

*For my experiment, I wanted to determine the best method to clean Invisalign trays. I believe that the hydrogen peroxide solution will be the best at cleaning the trays. I think this because of its nature to kill bacteria. In this experiment, I took a dirty Invisalign aligner tray and looked at the bacteria under a microscope. Then, I cleaned the trays with one of three solutions and looked again under the microscope with the new tray. I did this three times with each cleaner. Next, I took the average of the results of each type of cleaning solution used to kill the bacteria.*

*Overall, I found that the hydrogen peroxide killed 95 percent at the minimum. In addition, I found that the Retainer Brite solution killed 90 percent, and finally, the vinegar which resulted in the worst cleaning ability at 85 percent.*

## Items to Include:

**Introduction:** Why did you do this project and why is it important? How will this effect people and why is it needed. Inspire the reader to continue learning more about your research and read your report.

**Problem Statement and Engineering Goal / Hypothesis:** What is the problem you were solving and what was your engineering goal or hypothesis.

**Procedures:** How did you solve the problem and or test your hypothesis. Don't go into details, provide a broad, conceptual view of what you did. For engineering, what was your design criteria.

**Results:** What was the outcome? Use your data and numbers to describe your result.

**Conclusion:** Was your hypothesis supported or the engineering goal met?