### Objectives/Goals
The purpose of this project is to understand and determine the effects and factors that detergent solutions have on extracting pDNA from Escherichia coli.

### Methods/Materials
- Centrifuge Machine: Spins ependorf tubes to pellet bacteria of large wasteful chunks besides DNA gel electrophoresis tank: Measures the quality of extracted DNA
- Spectrophotometer: Measures the quantity of extracted DNA

### Results
The best extraction solutions were based on concentration such as the Palmolive solution. Palmolive is a dish washing soap and was able to break through the cell membrane to its characteristics.

### Conclusions/Discussion
Palmolive and Pantene extracted the purest and most pDNA for Escherichia coli due to the concentration and thickness of the solutions.

### Summary Statement
The purpose of this project is to determine the most reliable and accurate solution for extractions.

### Help Received
- Kunal Jariwala (cancer researcher): Allowed me to use lab and equipment