

Results

After a seven-day incubation period the agar plates were examined and analyzed for bacteria and the effectiveness of different cleaning methods. The bacteria were examined for form, color, and the number of colonies. Data varied from each trial performed. Trial one and two did not produce any data but trial three did produce data. For the number of colonies produced the control produced the highest number, which was ten. The mean for the control was around three. The water cleaned handle in trial three had 1 colony and the mean was around .33333. The Clorox section had no colonies. (Fig 1). The control produced small circular bacteria and the water cleaned handle produced one large circular bacteria. The Clorox cleaned section produced no bacteria (Table 1). The last quality the bacteria was analyzed for was color. In trial three the control produced yellow colored bacteria. The water cleaned handle produced a yellow-white with a hint of green bacteria. The Clorox cleaned handle produced no bacteria.

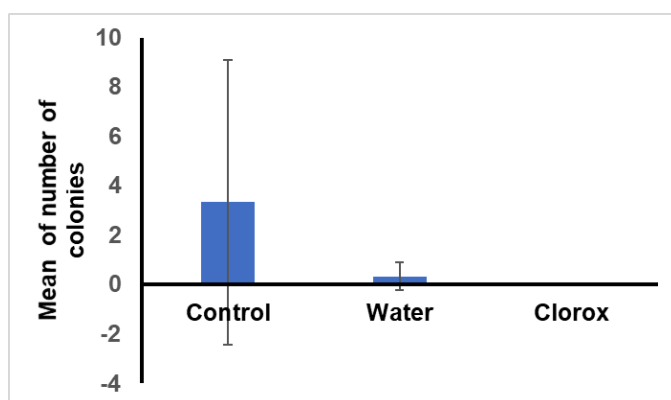


Figure 1. Average number of bacteria colonies found after cleaning a door handle. Data shown is the number of colonies found in each section of the agar plates. More colonies were found in the control section of the agar plate. Less bacteria were found in the water and Clorox sections of the agar plates. Bar height is the mean and the error bars are the standard deviation.

Table 1. The form of the bacteria formed in each section of the agar plate after cleaning a door handle. Trial number and each cleaning method is shown. Data shows what type of form was found in each trial and what method was used. Trial one and two did not present any data, but trial three presented a circular form found in the control and water sections of the agar plates.

	Control	Water	Clorox
Trial 1	none	none	none
Trial 2	none	none	none
Trial 3	circular	circular	none

Table 2. The coloration of the bacteria in each section of the agar plate after cleaning a door handle. Trial number and cleaning method is shown. Data shows the color of each bacteria formed, along with the trial number and cleaning method that was used. In trial one and two no

Stephanie Willis

Dr. Znosko

Bacteria Project

10-31-18

date was found. In trial three in the control section the coloration of the bacteria was yellow and in the water section the coloration was a mix of white, yellow and green.

	Control	Water	Clorox
Trial 1	none	none	none
Trial 2	none	none	none
Trial 3	yellow	yellow, green, white	none