

Cierra Ruybal  
*Bacteria Age Range*

The purpose of this experiment was to determine if the age of a person affects the amount of oral bacteria they have. The hypothesis of the experiment, if age affects the amount of bacteria in a human's mouth then someone who is in between the age of 31 and 50 will have the least amount of oral bacteria, was inconclusive.

For my experiment I took mouth swabs from 20 human subjects in age groups ranging from zero to over fifty. I grew the bacteria on petri dishes and allowed the bacteria to grow for 30 hours; counting bacteria colonies and recording observations after 12 hours, 24 hours, and 30 hours.

My hypothesis for this experiment was inconclusive. The amounts of bacteria colonies through the age groups varied and total amounts of bacteria colonies were unable to be counted. Some of the samples contained many colonies of different size and color which is not necessarily unhealthy because everyone has oral bacteria; it is the type of bacteria which can be unhealthy.

Even though the results from this experiment were inconclusive the information collected from this type of experiment may lead to changes in oral healthcare over various life stages.