

## CALIFORNIA STATE SCIENCE FAIR 2005 PROJECT SUMMARY

Name(s)	Project Number
Amy E. Carr	
	<b>J1004</b>
Project Title	
Whose Mouth Is Cleaner?	
Objectives/Cools Abstract	
<b>Objectives/Goals</b> It is said that a dog's mouth is cleaner than a human mouth, so I wanted to see	if the theory was true
Even though humans brush their teeth, there are still a lot of food particles and	
Dog's mouths are supposed to be self-cleaning. I want to test different dog and	d different human mouths to
see who really has the cleaner mouth. My hypothesis states: Cultures taken fr	om a dog's mouth will grow
fewer bacteria than cultures taken from a human's mouth. Methods/Materials	
In order to conduct this experiment, I used a q-tip to swab the cheek lining of t	hree dogs and three
humans. I used culture plates to grow the bacteria. Then I rated the amount of	
recorded it on a table. I used a bar graph to show the results. I repeated the ex	periment three times.
During the experiment, I had to develop a way to incubate the cultures without	
incubator. I also had to develop a method to count the number of bacterial col microscope.	onies without using a
Results	
For all three experiments, the human bacteria and the canine bacteria were diff	erent from each other. The
human bacteria looked like grayish, small spots. The canine bacteria were mo	re yellow or white, and
looked more like streaks than spots. The human bacteria grew faster than the	canine bacteria, but by day
3 the total bacterial counts were equal. Conclusions/Discussion	
My hypothesis, that cultures taken from a dog's mouth will grow fewer bacteri	a than cultures taken from a
human mouth, was incorrect. The data showed that by day 3 there was an equ	
growth for each speciment. However, the bacterium was different for each spe	ecies, and the canine
bacteria grew more slowly at first.	a dag bita ig lagg likely to
Even though my hypothesis was incorrect, there is some truth to the belief that be harmful than a human bite. This is because humans have a higher chance o	
own species specific bacteria.	r senig named sy then
Summary Statement	
To determine whose mouth is cleaner; a dog's or a human's.	
Help Received	
Community Hospital of the Monterey Peninsula donated materials; Mother he	lped type report and
troubleshoot problems.	