

*Do Greenies actually
clean our pet's mouths?*

Introduction

Do greenies actually clean
your pet's mouth?

Most know Greenies as dog treats that claims to clean dog's mouths while they chew on them. But do they actually clean a dog's mouth well enough? This is what I am trying to discover in my project

Research ? and Hypothesis

Question I am testing: Do greenies actually clean dog's mouths?

Hypothesis: I believe that greenies will clean my dog's mouth, because of all the scientist approval that It will clean your dog's mouth.

Procedures

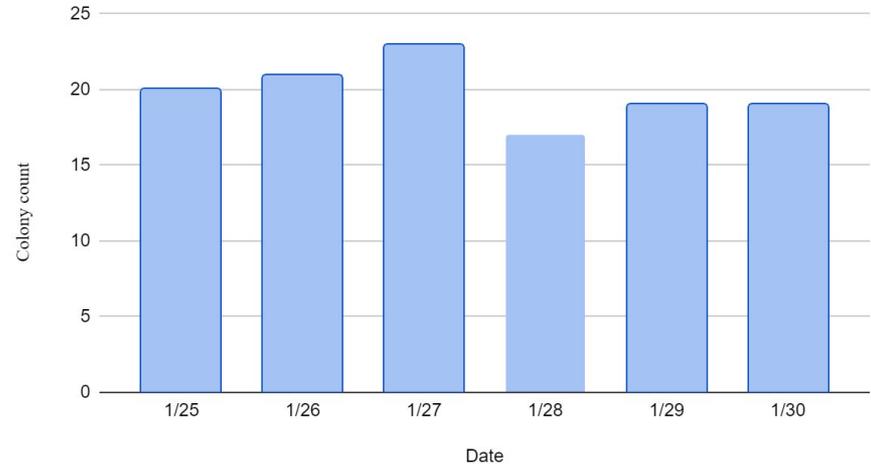
1. If dog eats Greenie, sample within 5 minutes.
2. Use sterile swab to collect sample from dog mouth for 5 seconds, streak plate.
3. Then place sample on incubator for ~24h
4. Count colonies and note appearance.

Results

Data chart + Graph

Date	Colony count	Treat type
1/25	20	Normal
1/26	21	Normal
1/27	23	Normal
1/28	17	Greenie
1/29	19	Greenie
1/30	19	Greenie

Colony Count By Date



Discussion

In conclusion, what happened in my experiment was; as I fed my dog Greenies, the colonies in her mouth decreased by 6 countable colonies. But then rose up by 2 countable colonies. I believe that this experiment could have been better designed, because my dog is always eating strange and foreign objects, which would bring germs into her mouth. I predict that if I went on longer with this experiment, that the bacteria in the dog's mouth would slowly drop by usage of the Greenies.

Conclusions

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Yes, Greenies do clean dog's mouths, but they are not very effective. Proving my hypothesis correct. To show how my data supports my claim, on date 1/27 the countable colonies sampled in my dog's mouth were 23, that number dropped to 17 countable colonies with use of a Greenie. This along with the constant 19 countable colonies on the dates 1/29 and 1/30. With all my evidence proving how the treats work, do they work well enough? I'd say not. In the original transition of treat type the countable colonies only dropped by 6. Proving my hypothesis correct again, because despite the drop not being the most drastic it still cleaned my dog's mouth.

References

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