

## **The effect of sweet potato on Streptococcus Pyogenes**

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This study aimed to examine the effect of sweet potato on treating strep throat disease caused by streptococcus pyogenes bacteria. The study methodology used the spreading method for growing bacteria, which consisted of putting streptococcus pyogenes bacteria in 2 nutrient agars and spreading it using an L- shaped rod, and then adding three blank strips in different points in each agar. The sweet potato solution was made by adding 10 grams of sweet potato powder to 50 ml distilled water, the sweet potato powder was made by cutting the sweet potato to thin slices and drying them in the oven, then grinding them using a blender. Then, a dropper was used to add 10 ml of the solution to one agar, and forceps was used to add 10 gram of sweet potato core to the other agar. Finally, the 2 agars were put in an incubator for 24 hours at 37c. The results showed sweet potato to have no effect at streptococcus pyogenes growth rate. The bacteria grew normally with no change occurring. As a conclusion, the sweet potato had no effect on streptococcus pyogenes at all.