CALIFORNIA STATE SCIENCE FAIR
2003 PROJECT SUMMARY

Name(s)
January N. Swiderski

Project Number
S1327

Project Title
Don't Sweat It

Abstract

Objectives/Goals
The purpose of this experiment is to test if sweat is a natural antibacterial.

Methods/Materials
In order to conduct this project, I collected skin flora samples and grew bacteri, which I then separated into colonies and labeled for identification purposes. I then suspended the bacteria along with .5ml of sweat in test tubes an measured the density of each. After one week's growth, I then measured the density of the tubes again to determine if it had become greater. If in fact the substance did become denser, tis wouild indicate bacterial growth.

Results
After measuring the density of each test tube before and after one week, I found that the densities of the tubes did become much higher.

Conclusions/Discussion
Due to the results of this experiment, myhypothesis was incorrect. Because the density of the tubes rose a considerable amount, there was obvious bacterial growth within the tubes. This illustrates the fact that the sweat added to the bacteriadid not stop this growth.

Summary Statement
Testing the idea that sweat acts as a natural antibacterial for the skin.

Help Received
Diane Halaska from Lancaster Community Hospital helped collect specimen (qualified microbiologist)