



**CALIFORNIA STATE SCIENCE FAIR  
2002 PROJECT SUMMARY**

<b>Name(s)</b> Ashley M. Gilroy	<b>Project Number</b>  22531
<b>Project Title</b> Garlic: The Wonder Drug?	
<b>Abstract</b> <b>Objectives/Goals</b> To compare the antibacterial properties of Garlic to the antibiotic Erythromycin against staph aureus bacteria. <b>Methods/Materials</b> Tested varied concentrations of each substance (garlic, erythro) on the bacteria and observed growth in test tubes that were put in an incubator for 24 hours. Swabbed resulting growth on agar plates for better observation. <b>Results</b> Garlic did not prevent the growth of bacteria as well as the erythromycin (which killed it completely). The highest concentration of garlic fared the best, killing about 75 % of the bacteria. <b>Conclusions/Discussion</b> Unless used in large concentrations, garlic is not very effective in killing staphylococcus aureus bacteria.	
<b>Summary Statement</b> Testing the antibacterial properties of garlic against staphylococcus aureus bacteria.	
<b>Help Received</b> Used lab equipment at Lancaster Community Hospital and worked under the supervision of Diane Halaska.	