



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

Name(s) Kristina Brooks; Kyla Price	Project Number J1105
Project Title Which Cutting Board Is Easiest to Sanitize?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals Objective: The goal of our project is to determine which cutting board is easiest to sanitize.</p> <p>Methods/Materials Materials and Method: We mixed a stock solution of nutrient broth and added E.coli. We put 5 ml of the mixture onto one cutting board at a time. We swabbed them onto nutrient agar (bacteria food) with a sterilized Q-tip. We then rinsed each cutting board with a 90ml water/10ml bleach mixture. After rinsing, we swabbed each board as before. Then, after 24 hours we counted each colony of E.coli.</p> <p>Results Result: As a result we found in our 1st trail that the stainless steel was the easiest to sanitize; however in our second trial we found that corian was the easiest to sanitize.</p> <p>Conclusions/Discussion Conclusion: In conclusion, we found that the corian and stainless steel cutting boards were the easiest to sanitize. The wood and poly were the hardest for the bleach to reach so they were the hardest to sanitize.</p>	
Summary Statement The material that the cutting board is made of determines how easily it is to sanitize.	
Help Received We received help from our science teacher, Mr. Steve Duerr. He helped with the design of the experiment and he helped us make our graphs in Microsoft Excel. Also, our language arts teacher, Mrs. Erica Andrews, helped edit our report.	