

CWSF 2006 - Saguenay, Québec



Sarah McCuaig

Antibacterial Toothpaste - Do Not Swallow

Division: Life Sciences

Category: Intermediate

Region: Waterloo-Wellington

City: Waterloo, ON

School: Laurel Heights S.S.

Abstract: The effects of antibacterial toothpaste, containing 0.3% triclosan, on the probiotic lactobacillus (HA-111) bacteria, found in the human gastrointestinal tract, were investigated. Zones of inhibition appeared around filter paper disks inoculated with Colgate Total antibacterial toothpaste that were plated on blood agar plates, swabbed with lactobacillus isolate. Inhibitory zones continued to grow for 24 hours, 12 hours longer than the toothpaste's claimed effectiveness.

| Awards | Value |
|---|----------------|
| Australian National Youth Science Forum Award | \$2 500 |
| The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario | \$1 000 |
| Bronze Medal - Health Sciences - Intermediate Sponsor: Canadian Institutes of Health Research | \$300 |
| Total | \$3 800 |