

## 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
<b>Total</b>	<b>\$3 800</b>