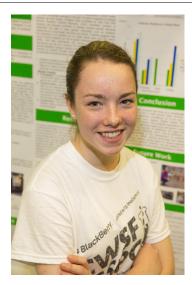




CWSF 2014 - Windsor, Ontario



Detection of Antibiotic Resistant E. coli in Retail Meat

Challenge: Health

Category: Intermediate

Region: City: School:

Abstract: Antibiotic resistant bacteria from animal origin represent potential health

hazards. Agricultural practices of using antibiotics in livestock may increase prevalence of antibiotic resistant bacteria/genes. This study confirmed the presence of E.coli in retail ground meat, and antimicrobial resistance of the strains isolated. It is important because the emergence and increase of antimicrobial resistant E.coli as in other bacteria is limiting treatment options

and antibiotic cures.

Awards	Value
Excellence Award - Intermediate - Bronze Medal	\$100
Sponsor: Nuclear Waste Management Organization	
Western University Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: Western University	
Total	\$1 100



