

**Penn State University Biology Department Test at Applied
Research Laboratory
Summary**

**Test - Surface Disinfection of E. coli with Low Levels of
Airborne Ozone from a Biozone Powerzone I**

Description: Measure the reduction of surface bacteria (E. coli) over time

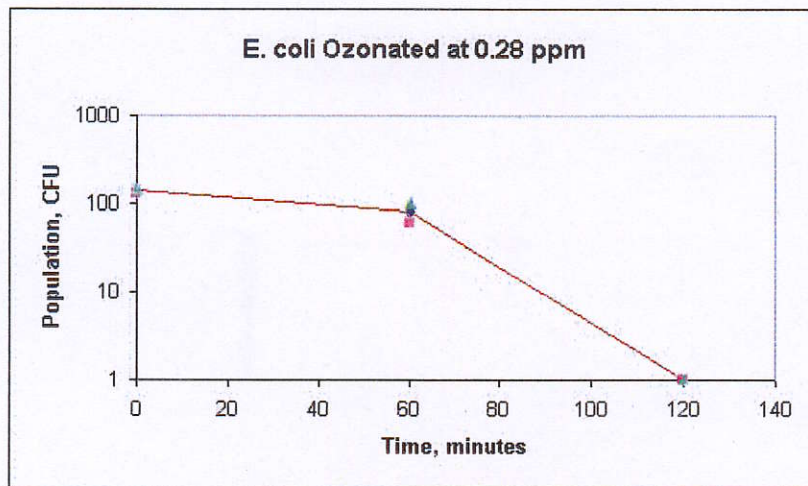
Results: 100% reduction after 3 hours of exposure.

Complete Test Results on Following Page

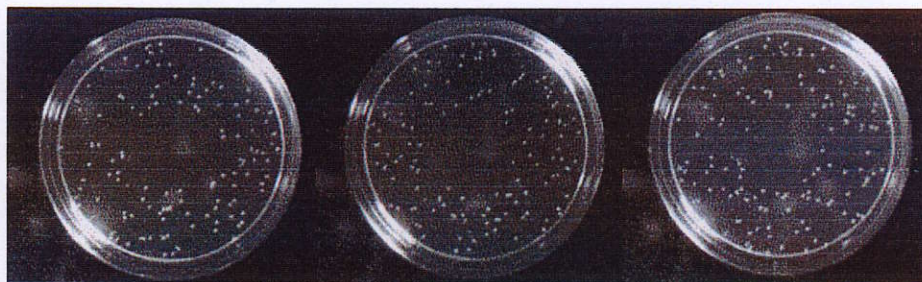
Results of Experiment on 3-24-00.

Exposure of E. coli to low levels of ozone (0.1-0.5 ppm).
Average ozone level 0.28 ppm.
Temperature 75 degrees, 22% RH.
Penn State Biology Dept test at ARL, W. Kowalski, Brad Striebig,
T. Whittam, W. Bahnfleth.

Output graph:



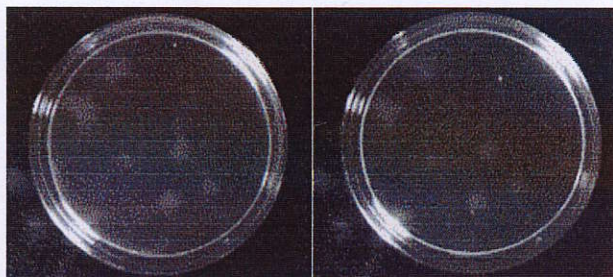
Three Controls: no exposure



Two plates exposed for 1 hour.



Two plates exposed for 2 hours.



Two plates exposed for 3 hours had no survivors.

(not imaged)