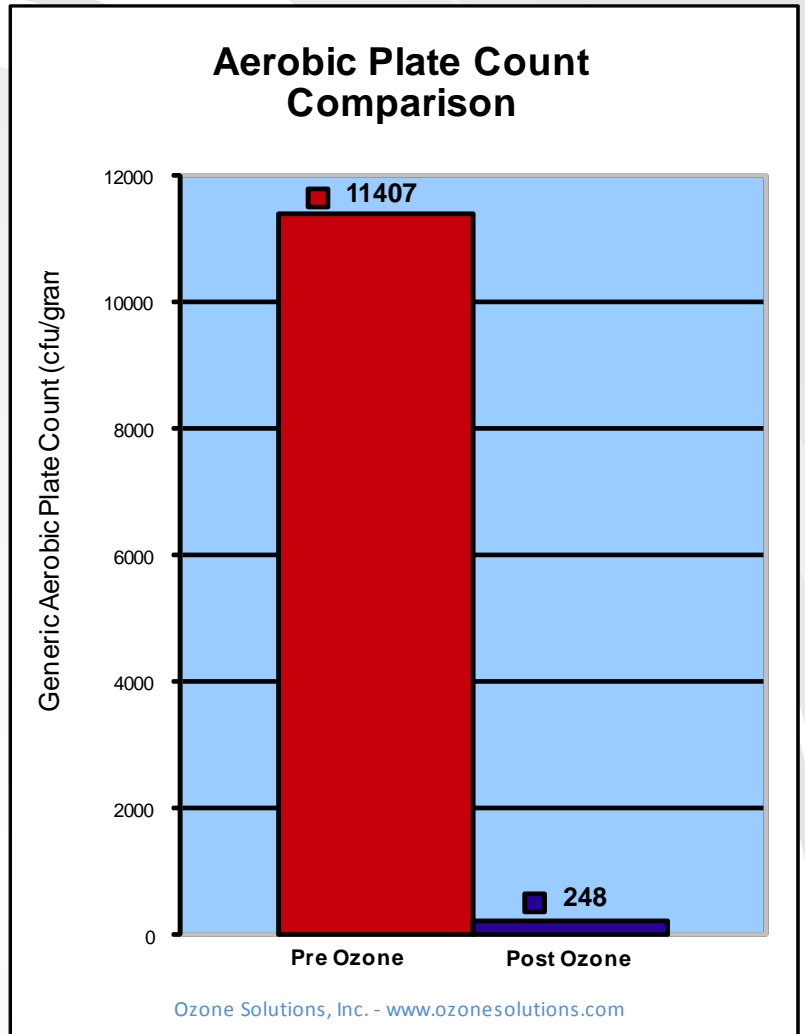
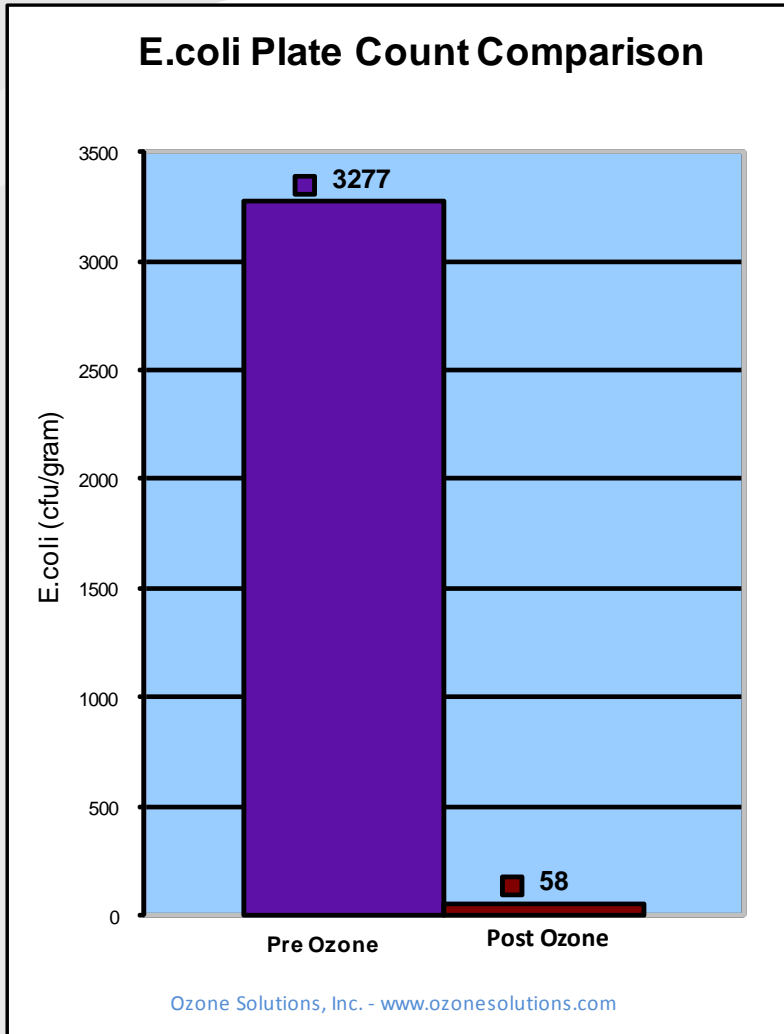
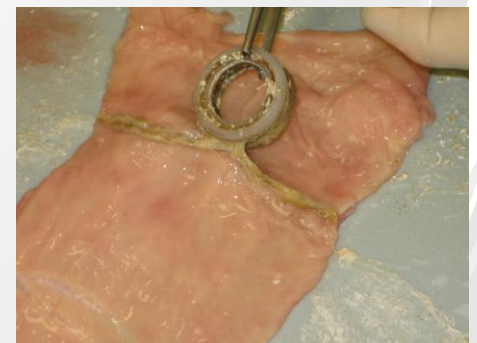


Ozone Used for Bacteria Reduction on Pork

Lab tests were performed on actual pork products to evaluate the effect of ozone on General Aerobic Bacteria, and E.coli



Samples treated with 2.3 PPM dissolved ozone had an average reduction of aerobic bacteria plate counts of 97.82%, E.coli was reduced by 98.22%



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Antimicrobial Efficacies of 2.3 PPM Aqueous Ozone Against *E.coli* and General Aerobic Bacteria (Based On Tests Performed Using Porcine Intestines)

Abstract: Porcine intestines harvested, cleaned, boxed and ready for commerce using industry standard procedures were tested for the presence of general aerobic bacteria and generic *E.coli*. Half of the samples collected were subjected to aqueous ozone at a concentration of about 2.3 ppm and the other half of the samples were left untreated. All samples were analyzed and it was found that the treated samples had an average 1.9 log reduction of general aerobic bacteria and a 1.7 log reduction of *E.coli* when compared to the untreated samples. In general, any antimicrobial that can achieve greater than a 1 log pathogen reduction is considered to be significantly efficacious.

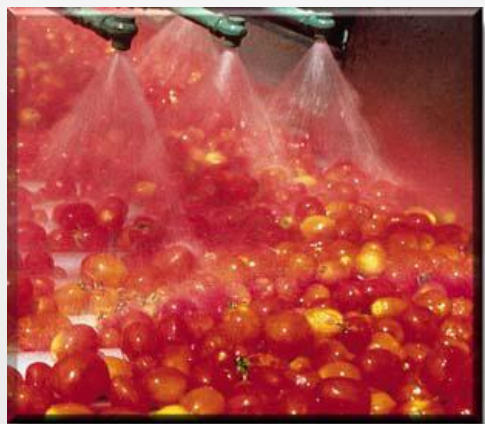
To read entire paper please visit our website at www.ozonesolutions.com/Ozone_Food_Processing.html

Antimicrobial Effect of Ozone on E.coli and General Aerobic Bacteria				
Effect of 2.3 PPM Aqueous Ozone Against E.coli and General Aerobic Bacteria				
	APC (cfu/g) Pre-Ozone		APC (cfu/g) Post-Ozone	% Reduction
1	7800	6	176	97.74%
2	15806	7	278	98.24%
3	12525	8	296	97.64%
4	6905	9	196	97.16%
5	14000	10	295	97.89%
AVG	11407	AVG	248	97.82%
	E.Coli (cfu/g) Pre-Ozone		E.Coli (cfu/g) Post-Ozone	% Reduction
1	2200	6	61	97.23%
2	4274	7	57	98.67%
3	2828	8	79	97.21%
4	3393	9	71	97.91%
5	3688	10	23	99.38%
AVG	3277	AVG	58	98.22%

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Team up with a leader in the ozone industry – Ozone Solutions!

Ozone can be used on almost any meats, fruits, or vegetables!



Waterzone-30 Ozone Injection System



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