Reduction of *E. coli* O157:H7 (1 Hr) on Lean Beef Wafers Sprayed with Various Antimicrobials in a Ross Industries ‘Blade Tenderizer-Spray System’

- **BeefXide**: 1.46
- **AFTEC**: 1.19
- **Cytoguard**: 1.14
- **Citrilow**: 1.02
- **XG-940**: 0.65
- **Perasan**: 0.51
- **Syntrx**: 0.43
- **HB2**: 0.34
- **Cecure**: 0.30
- **Preserv**: 0.09
- **Water**: 0.28
- **Inoc. CTL’s**: 0.00

**90% Reduction**

**99% Reduction**

**Log Reduction (cfu/cm²)**

- 0.0
- 0.2
- 0.4
- 0.6
- 0.8
- 1.0
- 1.2
- 1.4
- 1.6
- 1.8
- 2.0
Reduction of *E. coli* O157:H7 (1 Day) on Lean Beef Wafers Sprayed with Various Antimicrobials in a Ross Industries ‘Blade Tenderizer-Spray System’

- **AFTEC**: 1.99
- **Cytoguard**: 1.92
- **Citrilow**: 1.54
- **HB2**: 1.38
- **Cecure**: 0.76
- **XG-940**: 0.75
- **Perasan**: 0.65
- **BeefXide**: 0.50
- **Syntrx**: 0.44
- **Preserv**: 0.41
- **Water**: 0.28

Inoc. CTL’s: 90% Reduction

99% Reduction

99.9% Reduction

Log Reduction (cfu/cm²)
Reduction of *E. coli* O157:H7 (7 Days) on Lean Beef Wafers Sprayed with Various Antimicrobials in a Ross Industries ‘Blade Tenderizer-Spray System’

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Log Reduction (cfu/cm²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HB2</td>
<td>2.30</td>
</tr>
<tr>
<td>AFTEC</td>
<td>2.2</td>
</tr>
<tr>
<td>Cytoguard</td>
<td>2.17</td>
</tr>
<tr>
<td>Citrilow</td>
<td>1.58</td>
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<tr>
<td>Perasan</td>
<td>1.25</td>
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<tr>
<td>Cecure</td>
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<tr>
<td>XG-940</td>
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<tr>
<td>BeefXide</td>
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<tr>
<td>Syntrax</td>
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</tr>
<tr>
<td>Preserv</td>
<td>0.37</td>
</tr>
<tr>
<td>Water</td>
<td>0.28</td>
</tr>
<tr>
<td>Inoc. CTL’s</td>
<td>0.06</td>
</tr>
</tbody>
</table>

90% Reduction: HB2, AFTEC, Cytoguard, Citrilow, Perasan, Cecure, XG-940, BeefXide, Syntrax, Preserv, Water

99% Reduction: HB2, AFTEC, Cytoguard, Citrilow, Perasan, Cecure, XG-940, BeefXide, Syntrax, Preserv, Water

99.9% Reduction: HB2, AFTEC, Cytoguard, Citrilow, Perasan, Cecure, XG-940, BeefXide, Syntrax, Preserv, Water