

Table S2. The changes in the number of *S. Enteritidis*, *S. Typhimurim*, *S. Virchow* on eggshells contaminated with bacterial suspension of 10^5 CFU with or without the addition of poultry manure.

| Variant | | | S. Enteritidis | S. Typhimurium | S. Virchow |
|---------|--|----------|------------------------------------|-----------------------------------|-----------------------------------|
| | | | Average [log CFU/egg] (STD)* | Average [log CFU/egg] (STD) | Average [log CFU/egg] (STD) |
| 4°C | Bacterial suspension 10^5 CFU | | | | |
| | Control | | 2.74 (± 0.20) | 2.34 (± 0.22) | 2.88 (± 0.21) |
| | 30 min. | RCI | 1.52 (± 0.07) | 1.30 (± 0.11) | 1.30 (± 0.05) |
| | | Ozonizer | 1.63 (± 0.08) | 1.41 (± 0.13) | 1.55 (± 0.08) |
| | | Fan | 2.42 (± 0.20) | 2.04 (± 0.19) | 2.36 (± 0.16) |
| | 60 min. | RCI | 0.78 (± 0.00) | 0.45 (± 0.04) | 0.89 (± 0.00) |
| | | Ozonizer | 0.74 (± 0.00) | 0.55 (± 0.04) | 0.69 (± 0.01) |
| | | Fan | 2.25 (± 0.14) | 1.92 (± 0.18) | 1.51 (± 0.07) |
| | 120 min. | RCI | 0.59 (± 0.02) | 0.04 (± 0.00) | 0.88 (± 0.00) |
| | | Ozonizer | 0.91 (± 0.01) | 0.06 (± 0.00) | 0.58 (± 0.02) |
| | | Fan | 1.55 (± 0.07) | 1.40 (± 0.13) | 0.07 (± 0.09) |
| | Bacterial suspension 10^5 and poultry manure | | | | |
| | Control | | 2.81 (± 0.20) | 2.51 (± 0.18) | 2.92 (± 0.21) |
| | 30 min. | RCI | 2.51 (± 0.17) | 2.28 (± 0.15) | 2.55 (± 0.17) |
| | | Ozonizer | 2.52 (± 0.17) | 2.30 (± 0.16) | 2.57 (± 0.17) |
| | | Fan | 2.68 (± 0.19) | 2.43 (± 0.17) | 2.74 (± 0.19) |
| | 60 min. | RCI | 2.39 (± 0.16) | 2.20 (± 0.13) | 2.45 (± 0.16) |
| | | Ozonizer | 2.41 (± 0.16) | 2.22 (± 0.15) | 2.44 (± 0.16) |
| | | Fan | 2.58 (± 0.18) | 2.36 (± 0.17) | 2.66 (± 0.18) |
| | 120 min. | RCI | 2.19 (± 0.20) | 2.02 (± 0.18) | 2.25 (± 0.14) |
| | | Ozonizer | 2.14 (± 0.13) | 2.05 (± 0.13) | 2.28 (± 0.15) |
| | | Fan | 2.44 (± 0.16) | 2.22 (± 0.15) | 2.47 (± 0.16) |
| 20°C | Bacterial suspension 10^5 CFU | | | | |
| | Control | | 2.74 (± 0.19) | 2.34 (± 0.22) | 2.88 (± 0.21) |
| | 30 min. | RCI | 1.44 (± 0.06) | 1.24 (± 0.11) | 1.18 (± 0.04) |
| | | Ozonizer | 1.78 (± 0.10) | 1.49 (± 0.14) | 1.79 (± 0.10) |
| | | Fan | 2.43 (± 0.16) | 2.05 (± 0.19) | 2.36 (± 0.16) |
| | 60 min. | RCI | 0.04 (± 0.08) | 0.12 (± 0.00) | 0.04 (± 0.19) |
| | | Ozonizer | 1.38 (± 0.06) | 1.04 (± 0.09) | 0.04 (± 0.07) |
| | | Fan | 2.23 (± 0.14) | 1.92 (± 0.18) | 1.58 (± 0.08) |
| | 120 min. | RCI | 0.00 (± 0.00) | 0.00 (± 0.00) | 0.00 (± 0.00) |
| | | Ozonizer | 0.00 (± 0.00) | 0.04 (± 0.08) | 0.00 (± 0.00) |
| | | Fan | 1.59 (± 0.08) | 1.38 (± 0.13) | 0.93 (± 0.01) |
| | Bacterial suspension 10^5 and poultry manure | | | | |
| | Control | | 2.81 (± 0.20) | 2.51 (± 0.18) | 2.92 (± 0.21) |
| | 30 min. | RCI | 2.49 (± 0.17) | 2.27 (± 0.16) | 2.53 (± 0.17) |
| | | Ozonizer | 2.54 (± 0.17) | 2.32 (± 0.16) | 2.60 (± 0.18) |
| | | Fan | 2.68 (± 0.19) | 2.42 (± 0.17) | 2.74 (± 0.19) |
| | 60 min. | RCI | 2.37 (± 0.16) | 2.18 (± 0.15) | 0.04 (± 0.16) |

| | Variant | S. Enteritidis | S. Typhimurium | S. Virchow |
|----------|----------|------------------------------------|-----------------------------------|-----------------------------------|
| | | Average [log CFU/egg] (STD)* | Average [log CFU/egg] (STD) | Average [log CFU/egg] (STD) |
| | | | | |
| 120 min. | Ozonizer | 2.44 (± 0.16) | 2.24 (± 0.15) | 0.04 (± 0.16) |
| | Fan | 2.58 (± 0.18) | 2.36 (± 0.17) | 2.66 (± 0.18) |
| | RCI | 0.00 (± 0.00) | 0.00 (± 0.00) | 0.00 (± 0.00) |
| | Ozonizer | 0.00 (± 0.00) | 0.04 (± 0.14) | 0.00 (± 0.00) |
| | Fan | 2.45 (± 0.16) | 2.22 (± 0.15) | 2.48 (± 0.17) |

* - standard deviation, † - time of action; CFU – colony forming units