**S2\_Table.** Effect of NB-UVA light on bacterial colony diameter based on time exposure across varying intensities

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Microorganism** | **UVA Intensity (µW/cm2)** | **Group** | **Baseline** | **20 min** | **P value** | **40 min** | **P value** |
| **Mean CFU Ø (mm)** | **Mean CFU Ø (mm)** | **Mean CFU Ø (mm)** |
| *Escherichia coli* GFP | 500 | Exposed | 1.59 | 1.57 | 0.81 | 1.59 | 0.89 |
| Control | 1.59 | 1.59 | 1.57 |
| *Escherichia coli* GFP | 1000 | Exposed | 1.76 | 1.67 | 0.08 | 1.38 | 0.01 |
| Control | 1.76 | 1.73 | 1.73 |
| *Escherichia coli* GFP | 2000 | Exposed | 1.71 | 1.38 | <0.001 | 0.93 | <0.001 |
| Control | 1.71 | 1.70 | 1.72 |
| *Escherichia coli* GFP | 3000 | Exposed | 1.83 | 0.25 | <0.01 | 0.00 | <0.01 |
| Control | 1.83 | 1.80 | 1.69 |
| *Pseudomonas aeruginosa* | 500 | Exposed | 0.90 | 0.78 | 0.16 | 0.77 | 0.35 |
| Control | 0.90 | 0.92 | 0.84 |
| *Pseudomonas aeruginosa* | 1000 | Exposed | 1.08 | 0.79 | <0.01 | 0.65 | <0.001 |
| Control | 1.08 | 1.06 | 1.03 |
| *Pseudomonas aeruginosa* | 2000 | Exposed | 1.05 | 0.69 | <0.001 | 0.63 | <0.001 |
| Control | 1.05 | 1.04 | 1.00 |
| *Pseudomonas aeruginosa* | 3000 | Exposed | 1.33 | 0.88 | 0.01 | 0.79 | <0.01 |
| Control | 1.33 | 1.29 | 1.30 |