**Supplemental Table 1.** The antibiofilm activity of hydrogel coating\*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Treatment group | Mean absorbance difference (SD) | p value for parametric test | Median absorbance (IQR) | p value for nonparametric test† |
| Intervention group | Untreated control group |
| Hydrogel alone | 0.0004 (0.029) | 0.946 | 0.101 (0.09-0.11) | 0.104 (0.096-0.11) | 0.783 |
| Tyrosol-loaded hydrogel at 62.5 mM (8.6 mg/mL) | - | - | 0.288 (0.23-0.41) | 0.289 (0.13-0.43) | 0.581 |
| Tyrosol-loaded hydrogel at 125 mM (74.6 mg/mL) | 0.084 (0.012) | 0.182 | 0.23 (0.18-0.27) | 0.29 (0.13-0.43) | 0.54 |
| Tyrosol-loaded hydrogel at 250 mM (149.3 mg/mL) | 0.077 (0.012) | 0.203 | 0.23 (0.17-0.31) | 0.29 (0.13-0.43) | 0.624 |
| Tyrosol-loaded hydrogel at 1 M (597.1 mg/mL) | - | - | 0.12 (0.11-0.13) | 0.14 (0.12-0.16) | 0.076 |
| Vancomycin-loaded hydrogel (2%) | - | - | 0.139 (0.133-0.143) | 0.142 (0.136-0.144) | 0.342 |
| Vancomycin-loaded hydrogel (5%) | - | - | 0.141 (0.133-0.143) | 0.142 (0.136-0.144) | 0.459 |
| Rifampin-loaded hydrogel (1%) | - | - | 0.135 (0.128-0.146) | 0.142 (0.136-0.144) | 0.519 |

 \*Results on statistical comparisons between intervention groups and untreated controls are shown; no statistically significant differences are displayed, suggesting absence of biofilm growth inhibition; †p < 0.05 indicates significance; IQR = interquartile range.