Tabel I- Antimicrobial efficacy test: diameters of inhibition zone (mean and standard deviation) for *Staphylococcus aureus ATCC-25923* around gentamicin coated fiber reinforced composite (FRC-G) discs

|  |  |  |  |
| --- | --- | --- | --- |
| Group | Count | Inhibition zone (mm) | |
| Mean | Standard deviation  (+/-) |
| Control | 6 | 0.13 | 0.015 |
| FRC-G 1 | 6 | 20.13 | 0.019 |
| FRC-G 2 | 6 | 17.21 | 0.022 |
| FRC-G 3 | 6 | 19.73 | 0.027 |
| FRC-G 4 | 6 | 19.11 | 0.035 |
| FRC-G 5 | 6 | 18.31 | 0.021 |
| FRC-G 6 | 6 | 17.47 | 0.022 |
| FRC-G 7 | 6 | 18.05 | 0.025 |

Tabel II- Antimicrobial efficacy test: diameters of inhibition zone (mean and standard deviation) for *Pseudomonas aeruginosa ATCC-27853* around gentamicin coated fiber reinforced composite (FRC-G) discs

|  |  |  |  |
| --- | --- | --- | --- |
| Group | Count | Inhibition zone (mm) | |
| Mean | Standard deviation  (+/-) |
| Control | 6 | 0.904 | 0.048 |
| FRC-G 8 | 6 | 13.97 | 0.015 |
| FRC-G 9 | 6 | 13.85 | 0.022 |
| FRC-G 10 | 6 | 14.18 | 0.025 |
| FRC-G 11 | 6 | 13.426 | 0.024 |
| FRC-G 12 | 6 | 15.33 | 0.022 |
| FRC-G 13 | 6 | 12.93 | 0.017 |
| FRC-G 14 | 6 | 12.98 | 0.015 |

Tabel III- Adherence of *Staphylococcus aureus ATCC-25923* to gentamicin coated fiber reinforced composite (FRC-G) discs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Group | Count | Gentamicin  dosage (g) | CFU | |
| Mean | Standard deviation (+/-) |
| Control | 3 | 0 | 21x103 | 707 |
| FRC-G 15 | 3 | 0,0026 | 10x 103 | 707 |
| FRC-G 16 | 3 | 0,0019 | 11x 103 | 100 |
| FRC-G 17 | 3 | 0,0016 | 12x 103 | 707 |

Tabel IV- Adherence of *Pseudomonas aeruginosa ATCC-27853* to gentamicin coated fiber reinforced composite (FRC-G) discs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Group | Count | Gentamicin dosage (g) | CFU | |
| Mean | Standard deviation (+/-) |
| Control | 3 | 0 | 11x103 | 100 |
| FRC-G 18 | 3 | 0.0016 | 25x103 | 707 |
| FRC-G 19 | 3 | 0.0031 | 5x 103 | 707 |
| FRC-G 20 | 3 | 0.0018 | 15x103 | 707 |