**Biostatistics Statement:** Mann-Whitney nonparametric t-tests in Sigma Plot were used to determine whether there were statistically significant differences in colony counts in coated wires compared to uncoated control wires. Mann-Whitney tests were also used to determine statistical differences in bacteriological score and histological scores. Using results of previous studies determining log fold reduction of CFUs in response to antimicrobials [[24](#_ENREF_24)], an a priori power analysis was performed using SigmaPlot. Assuming a standard deviation (SD) of 1 unit in log-transformed CFU counts, 4 animals per group are required to have 80% power to detect a difference of 2.5 units between the control and each of the 4 experimental treatment groups at a significance level of 5%.