**Supplemental Table 3.** Least square mean difference of ceftiofur free acid equivalents (CFAE) (LSM ± SD) for comparing time points and treatment groups, upon target pH (0 h), and 12 hours after target pH was reached for milk samples reaching a pH=10 (**HpH**) and control sample, using Tukey-Krammer pairwise analysis (Figure 5).

|  |  |  |  |
| --- | --- | --- | --- |
| Factor\* | LSM Diff | SE | *P* value\*\* |
| HpH vs Control (0 h) | -91.5 | 20.2 | 0.0018 |
| HpH vs Control (12 h) | -238.7 | 22.7 | **<.0001** |

\* First combination factors displayed serve as reference value.

\*\* *P* value for multiple comparisons using Tukey-Krammer for different treatment and time point combinations.