

**Supplementary Materials:**

Antimicrobial Standard	CAS-No.	Brand
2,5-Dichlorothiophene-3-sulfonamide	53595-68-9	Aldrich Chemistry
Ampicillin	69-53-4	Sigma-Aldrich
Azithromycin	117772-70-0	European Pharmacopeia
Clarithromycin	81103-11-9	European Pharmacopeia
Cycloheximide	66-81-9	VWR Life Science
Doxycycline hyclate	24390-14-5	U. S. Pharmacopeia
Erythromycin	114-07-8	U. S. Pharmacopeia
Tetracycline hydrochloride	64-75-5	Sigma-Aldrich
Tylosin	1401-69-0	Sigma-Aldrich

**Table S1.** List of antimicrobial standards used to create standard curves for mass spectrometry analysis. The antimicrobial concentrations used for the construction of standard curves were adjusted to the following gradient: 5 µg/mL, 1 µg/mL, 0.5 µg/mL, 0.1 µg/mL, 0.05 µg/mL, 0.01 µg/mL.