

Table S6. LC-MS/MS parameters and validations of each antimicrobial

LC	Waters ACQUITY UPLC™				Injection	10 µL			
Column	Waters AQUITY UPLC BEH C ₁₈ 2.1 mm × 100 mm, 1.7 µm				MS/MS	Waters ACQUITY TQD			
Column Temperature	60°C				Ionization	ESI - Positive ion			
Mobile Phase	A : 0.1% HCOOH								
	B : MeOH								
Gradient	Time (min)	Flow rate (mL/min)	A (%)	B (%)	Antimicrobials	Precursor ion (m/z)	Product ion (m/z)	Cone voltage (V)	Collision energy (eV)
	0.0	0.35	90	10	Ampicillin	350.2	105.9, 192.0	29	24
	2.0	0.35	90	10	Levofloxacin	362.2	261.2, 318.2	40	21
	8.0	0.35	75	25	Azithromycin	749.8	591.6, 277.3	49	31
	14.0	0.35	45	55	Clarithromycin	748.2	316.6, 558.3	38	18
	16.0	0.35	45	55	Doxycycline	445.2	428.3	32	18
	19.0	0.35	10	90	Vancomycin	724.2	82.9, 100.2	17	18
	19.2	0.35	0	100					
	21.2	0.35	0	100					
	24.0	0.35	90	10					
	26.0	0.35	90	10					

Product ions in italics were used for quantification