

Table S1. Cumulative minimum inhibitor concentration (MIC) distribution, MIC₅₀ and MIC₉₀ values for cefiderocol and new β -lactam/ β -lactamase inhibitors against *E. coli* TG1 and HB4 (low permeability) expressing β -lactamases.

Host strain	Drug	Cumulative % of isolates at MIC (mg/L)									MIC	
		≤0.25	0.5	1	2	4	8	16	32	≥64	MIC ₅₀	MIC ₉₀
<i>E. coli</i> TG1 (n=41)	CAZ	12.2	14.6	17.1	22	26.8	29.3	36.6	53.7	100	32	≥64
	C/A	43.9	46.3	53.7	61	61.9	68.3	69	76.2	100	1	≥64
	ATM	47.6	58.5	63.4	68.3	73.2	75.6	78	85.4	100	0.5	≥64
	A/A	97.6	97.6	97.6	100						≤0.25	≤0.25
	FEP	36.6	39	53.7	53.7	65.9	78	82.9	92.7	100	1	32
	F/T	75.6	75.6	82.9	85.4	92.7	100				≤0.25	4
	F/E	68.3	70.7	70.7	73.2	78	85.4	87.8	92.7	100	≤0.25	32
	F/Z	100									≤0.25	≤0.25
	ZID	97.6	100								≤0.25	≤0.25
	FDC	82.9	82.9	90.2	100						≤0.25	1
	IMP	61	65.9	78	87.8	90.2	95.1	97.6	100		≤0.25	4
	I/R	75.6	82.9	87.8	92.7	92.7	95.1	97.6	100		≤0.25	2
	MEM	71.4	80.5	82.9	92.7	92.7	97.6	100			≤0.25	2
	M/V	85.4	87.8	87.8	92.7	95.1	97.6	100			≤0.25	2
	M/X	85.4	92.7	100							≤0.25	0.5
M/N	82.9	95.1	100							≤0.25	0.5	
NAC				100						2	2	
<i>E. coli</i> HB4 (n=41)	CAZ			4.9	12.2	14.6	17.1	24.4	26.8	100	≥64	≥64
	C/A		17	31.7	41.5	48.8	51.2	63.4	65.9	100	8	≥64
	ATM	36.6	41.5	46.3	48.8	53.7	63.4	68.3	75.6	100	4	≥64
	A/A	82.9	85.4	97.6	97.6	97.6	97.6	100			≤0.25	1
	FEP		4.9	12.2	19.5	29.3	36.6	41.5	51.2	100	32	≥64
	F/T		43.9	61	68.3	70.7	75.6	80.5	95.1	100	1	32
	F/E	2.4	29.3	34.1	46.3	56.1	58.5	61	68.3	100	4	≥64
	F/Z	56.1	73.2	90.2	97.6	100					≤0.25	1
	ZID	36.6	68.3	85.4	90.2	97.6	100				0.5	2
	FDC	70.7	78	82.9	97.6	100					≤0.25	2
	IMP	39	46.3	58.5	65.9	78	87.8	92.7	92.7	100	1	16
	I/R	53.7	63.4	80.5	85.4	90.2	92.7	95.1	95.1	100	≤0.25	4
	MEM	17.1	24.4	39	51.2	58.5	68.3	75.6	87.8	100	2	≥64
	M/V	36.6	53.7	61	68.3	70.7	87.8	90.2	95.1	100	0.5	16
	M/X	61	70.7	73.2	75.6	78	87.8	95.1	95.1	100	≤0.25	16
M/N	31.7	41.5	82.9	95.1	100					1	2	
NAC				100						2	2	

CAZ: ceftazidime; C/A: ceftazidime/avibactam; ATM: aztreonam; A/A: aztreonam/avibactam; FEP: cefepime; F/T: cefepime/taniborbactam; F/Z: cefepime/zidebactam; ZID: zidebactam; FDC: cefiderocol; IMP: imipenem; I/R: imipenem/relebactam; MEM: meropenem; M/V: meropenem/vaborbactam; M/X: meropenem/xeruborbactam; M/N: meropenem/nacubactam; NAC: nacubactam.
