

The following are tentative acceptable MIC and zone diameter ranges for tigecycline. The BSAC Working Party would welcome laboratories submitting control data for these strains to Jenny Andrews ([www.jenny.andrews@swbh.nhs.uk](mailto:www.jenny.andrews@swbh.nhs.uk)) to ascertain if the recommendations are robust.

Table 2: Acceptable zone diameter (mm) ranges for control strains on Iso-Sensitest agar, plates incubated at 35-37 °C in air for 18-20 h.

Antimicrobial agent	Disc content (µg unless stated)	<i>Escherichia coli</i>			<i>Pseudomonas aeruginosa</i>		<i>Staphylococcus aureus</i>		<i>Enterococcus faecalis</i>
		NCTC 10418	ATCC 25922	NCTC 11560 <sup>1</sup>	NCTC 10662	ATCC 27853	NCTC 6571	ATCC 25923	ATCC 29212
Tigecycline	15	29-32	28-32	-	-	-	29-34	27-30	26-31

<sup>1</sup> β-Lactamase producing strain

Table 6: Acceptable zone diameter (mm) ranges for control strains on Iso-Sensitest agar supplemented with 5% defibrinated horse blood with or without the addition of NAD, plates incubated at 35-37°C in 4-6% CO<sub>2</sub> for 18-20 h.

Antimicrobial agent	Disc content (µg unless stated)	<i>Pasteurella multocida</i>	<i>Neisseria gonorrhoeae</i> (with NAD)	<i>Staphylococcus aureus</i>		<i>Haemophilus influenzae</i> (with NAD)		<i>Streptococcus pneumoniae</i>
		NCTC 8489	NCTC 12700	NCTC 6571	ATCC 25923	NCTC 11931	ATCC 49247	ATCC 49619
Tigecycline	15	-	-	27-30	24-28	-	-	26-30

## 9. Control of MIC determination

Tables 7 & 8 provide target MIC (mg/L) values for recommended control strains by BSAC methodology. MICs should be within one two-fold dilution of the target values.

Table 7: Target MICs (mg/L) for *Haemophilus influenzae*, *Enterococcus faecalis*, *Streptococcus pneumoniae*, *Bacteroides fragilis* and *Neisseria gonorrhoeae* control strains by BSAC methods

Antimicrobial agent	<i>Haemophilus influenzae</i>		<i>Enterococcus faecalis</i>	<i>Streptococcus pneumoniae</i>	<i>Bacteroides fragilis</i>	<i>Neisseria gonorrhoeae</i>	
	NCTC	ATCC	ATCC	ATCC	NCTC	ATCC	
	11931	49247	29212	49619	9343	49226	
Tigecycline	-	-	0.12	0.06	-	-	

Table 8: Target MICs (mg/L) for *Escherichia coli*, *Pseudomonas aeruginosa* and *Staphylococcus aureus* control strains by BSAC methods

Antimicrobial agent	<i>Escherichia coli</i>		<i>Pseudomonas aeruginosa</i>		<i>Staphylococcus aureus</i>		
	NCTC	ATCC	NCTC	ATCC	NCTC	ATCC	ATCC
	10418	25922	10662	27853	6571	25923	29213
Tigecycline	0.12	0.12	-	-	0.12	-	-