



Antimicrobial Susceptibility Testing Standing Committee

Guidance

Susceptibility testing *Listeria* spp.

For susceptibility testing *Listeria* spp. an MIC determination is advised on Iso-Sensitest agar with incubation at 35-37°C in air. If a gradient method is used the test should be undertaken following the manufacturer's instructions. In Table 3 the MIC ranges and cut offs for "wild type" strains are shown and these can be used as an aid to interpreting susceptibility.

Table 3: MIC ranges for "wild type" *Listeria* spp.

Antimicrobial agent	MIC range (mg/L)	MIC cut off (mg/L)	Comment
Ampicillin	0.12-4	≤1	} No resistance described
Penicillin	0.015-2	≤1	
Meropenem	-	≤1	
Daptomycin	1-4	≤4	Resistance very rare ≤ 0.5%
Erythromycin	0.12-1	≤1	
Gentamicin	0.06-1	≤1	Resistance rare 0%
Linezolid	1-4	≤4	
Tetracycline	0.06-1	≤1	The MIC breakpoint is based on the trimethoprim concentration in a 1:19 combination with sulfamethoxazole.
Trimethoprim	0.06-1	≤1	
Co-trimoxazole	-	≤ 0.06	See advice on testing susceptibility testing of co-trimoxazole.
Vancomycin	0.5-4	≤4	