

Table 1 Antibiotic test design and concentration gradients

Antibiotics	Description	Concentration Gradient/ $\mu g \cdot mL^{-1}$
Ampicillin (Amp)	β -lactam antibiotics	$12 \rightarrow 6 \rightarrow 3 \rightarrow 2 \rightarrow 1 \rightarrow 0.5 \rightarrow 0.25 \rightarrow 0.1$
Ciprofloxacin (CIP)	Quinolone antibiotics	$3 \rightarrow 2 \rightarrow 1 \rightarrow 0.5 \rightarrow 0.25 \rightarrow 0.1 \rightarrow 0.05 \rightarrow 0.01$
Erythromycin (E)	Macrolide antibiotics	$400 \rightarrow 200 \rightarrow 100 \rightarrow 50 \rightarrow 25 \rightarrow 12.5 \rightarrow 6 \rightarrow 3$
Polymyxin B (PB)	Polymyxin antibiotics	$50 \rightarrow 25 \rightarrow 12.5 \rightarrow 6.25 \rightarrow 3 \rightarrow 1 \rightarrow 0.5 \rightarrow 0.25$