

**TABLE A.1 Antibiotic Solutions**

	Stock solution <sup>a</sup>		Working concentration	
	concentration	storage	stringent plasmids	relaxed plasmids
Ampicillin	50 mg/ml in H <sub>2</sub> O	-20°C	20 µg/ml	60 µg/ml
Carbenicillin	50 mg/ml in H <sub>2</sub> O	-20°C	20 µg/ml	60 µg/ml
Chloramphenicol	34 mg/ml in ethanol	-20°C	25 µg/ml	170 µg/ml
Kanamycin	10 mg/ml in H <sub>2</sub> O	-20°C	10 µg/ml	50 µg/ml
Streptomycin	10 mg/ml in H <sub>2</sub> O	-20°C	10 µg/ml	50 µg/ml
Tetracycline <sup>b</sup>	5 mg/ml in ethanol	-20°C	10 µg/ml	50 µg/ml

<sup>a</sup>Stock solutions of antibiotics dissolved in H<sub>2</sub>O should be sterilized by filtration through a 0.22-micron filter. Antibiotics dissolved in ethanol need not be sterilized. Store solutions in light-tight containers.

<sup>b</sup>Magnesium ions are antagonists of tetracycline. Use media without magnesium salts (e.g., LB medium) for selection of bacteria resistant to tetracycline.