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Antibiotics solutions Version 2

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Abstract

Antibiotic Concentrations

Antibiotic	Recommended Stock Concentration	Recommended Working Concentration
Ampicillin	100 mg/mL	100 µg/mL
Bleocin	5 mg/mL	5 µg/mL
Carbenicillin*	100 mg/mL	100 µg/mL
Chloramphenicol	25 mg/mL (dissolve in EtOH)	25 µg/mL
Coumermycin	25 mg/mL (dissolve in DMSO)	25 µg/mL
Gentamycin	10 mg/mL	10 µg/mL
Kanamycin	50 mg/mL	50 µg/mL
Spectinomycin	50 mg/mL	50 µg/mL
Tetracycline	10 mg/mL	10 µg/mL

Note: Unless otherwise indicated, the antibiotic powder can be dissolved in dH_2O.

*Note: Carbenicillin can be used in place of ampicillin. Carbenicillin is more stable, so it is potentially more effective at selecting only bacteria containing the plasmids of interest (for example, fewer satellite colonies will grow). However, it is also more expensive.

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