

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

Protocol:

1. Streak on
2. Pick single colony and inoculate in 3mL of LB with antibiotic for 16 hours at 37°C shaking 150-200rpm
3. Do miniprep 2mL of culture. Keep 1mL (add more LB, grow overnight)
4. If RE digest confirm clones, prep for midi prep. Use bac culture to inoculate 50 mL of cutting grow with shaking overnight