

Apr 28, 2018 Version 2

Antibiotics solutions V.2

DOI

dx.doi.org/10.17504/protocols.io.puednte



Diego Bonatto¹

¹Centro de Biotecnologia da UFRGS



Diego Bonatto

Centro de Biotecnologia da UFRGS

OPEN  ACCESS



DOI: dx.doi.org/10.17504/protocols.io.puednte

Document Citation: Diego Bonatto 2018. Antibiotics solutions. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.puednte>

License: This is an open access document distributed under the terms of the **Creative Commons Attribution License**, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Created: April 28, 2018

Last Modified: April 28, 2018

Document Integer ID: 11878

Keywords: Antibiotics solutions, culture medium, Escherichia coli

Abstract

Antibiotic Concentrations

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 dH₂O.

***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.



Antibiotic Concentrations

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 dH₂O.

***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.