



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530
Fax: 440/337-1180
mailto: biotech@mpbio.com
web: <http://www.mpbio.com>

TECHNICAL INFORMATION

Catalog Number: 100405, 100543, 100548, 150029, 156065, 190327, 1194528, 194531, 194536, 194537, 194793, 1670046, 1670049, 1670249, 1672048

Antibiotic Suggested Working Concentrations

Antibiotic	Cat. Number	Amount		to Use		
		Gram Positive Bacteria	Gram Negative Bacteria	Yeasts	Fungi	Mycoplasma
Amphotericin B	02195043			2.5 mg/L	2.5 mg/L	
Amphotericin B Solution 250 ug/ml	091672346, 091672348			10 ml/L	10 ml/L	
Ampicillin	02190146, 02190147, 02190148, 02194526, 02194199	100 mg/L	100 mg/L			
Chlorotetracycline	02190327	10 mg/L	10 mg/L			
Dihydrostreptomycin	02100405, 02194528		100 mg/L			
Gentamycin	02190057, 02194530, 02194789	50 mg/L	50 mg/L			50 mg/L
Gentamycin Solution 10 mg/ml	091676045, 02105030	5 ml/L	5 ml/L			5 ml/L
Gentamycin Solution 50 mg/ml	091676245, 02105031	1 ml/L	1 ml/L			1 ml/L
Kanamycin Monosulfate	02150029, 02194531, 02194793	100 mg/L	100 mg/L			100 mg/L
Kanamycin Solution 5 mg/ml	091672048	20 ml/L	20 ml/L			20 ml/L
Neomycin Sulfate	02100541, 02194533	50 mg/L	50 mg/L			
Nystatin (powder)	02100417, 02194534			50 mg/L	50 mg/L	
Nystatin (10,000 U/ml)	091672649			24 ml/L	24 ml/L	
Penicillin G (K)	02100543, 02194536	105 U/L				
Penicillin G (Na)	02156065, 02100548, 02194537	105 U/L				
Penicillin- Streptomycin Solution 5000 U Pen./5 mg Strept./ml	091670046, 091670049	20 ml/L	20 ml/L			
Penicillin- Streptomycin Solution 10,000 U Pen./10 mg Strept./ml	091670249	10 ml/L	10 ml/L			

Penicillin- Streptomycin- Amphotericin B Solution	091674049	10 ml/L	10 ml/L	10 ml/L	10 ml/L	
Polymyxin B Sulfate	02100565, 02194538		50 mg/L			
Streptomycin Sulfate	02100556, 02194797, 02194541		100 mg/L			
Tylosin Solution 5 mg/ml	091672248					2 ml/L

To prepare Stock Solutions:

Add the appropriate amount of powder to water while mixing (not the reverse), as adding water to the powders may result in insoluble mixtures that cannot be filtered without losing potency. If desired, the pH may be adjusted, but a basal media with greater than 2 g/L sodium bicarbonate can easily absorb up to 2% of an acidic antibiotic solution; therefore, an antibiotic solution with an acidic pH would not influence the pH of the media. After ensuring that the resultant solution is transparent, sterile filter and store in small aliquots at appropriate temperature until use. Prior to use of the media, aseptically add the appropriate amount of antibiotic to the basal media in order to obtain the required working concentration. Mix well and sterile filter if asepsis is believed to have been compromised.