



Antimicrobial Table of bacteria

CLSI 2017

Acinetobacter spp

Antibiotic	Susceptible	Intermediate	Resistant
Amikacin 30 µg	17	15-16	14
Ampicillin - Sulbactam 10/10 µg	15	12-14	11
Cefepime 30 µg	18	15-17	14
Cefotaxime 30 µg	23	15-22	14
Ceftazidime 30 µg	18	15-17	14
Ceftriaxone 30 µg	21	14-20	13
Ciprofloxacin 5 µg	21	16-20	15
Doripenem 10 µg	18	15-17	14
Doxycycline 30 µg	13	10-12	9
Gatifloxacin 5 µg	18	15-17	14
Gentamicin 10 µg	15	13-14	12
Imipenem 10 µg	22	19-21	18
Levofloxacin 5 µg	17	14-16	13
Meropenem 10 µg	18	15-17	14
Mezlocillin 75 µg	21	18-20	17
Minocycline 30 µg	16	13-15	12
Piperacillin 100 µg	21	18-20	17
Piperacillin - Tazobactam 100/10 µg	21	18-20	17
Tetracycline 30 µg	15	12-14	11
Ticarcillin 75 µg	20	15-19	14
Ticarcillin - Clavulanate 75/10 µg	20	15-19	14
Tobramycin 10 µg	15	13-14	12
Trimethoprim- sulfamethoxazole 1.25/23.75 µg	16	11-15	10

Beta-Hemolytic Streptococci

Antibiotic	Susceptible	Intermediate	Resistant
Ampicillin 10 µg	24	-	-
Azithromycin 15 µg	18	14-17	13
Cefepime 30 µg	24	-	-
Cefotaxime 30 µg	24	-	-
Ceftaroline 30 µg	26	-	-
Ceftriaxone 30 µg	24	-	-
Chloramphenicol 30 µg	21	18-20	17
Clarithromycin 15 µg	21	17-20	16
Clindamycin 2 µg	19	16-18	15
Dirithromycin 15 µg	18	14-17	13
Erythromycin 15 µg	21	16-20	15
Gatifloxacin 5 µg	21	18-10	17
Grepafloxacin 5 µg	19	16-18	15
Levofloxacin 5 µg	17	14-16	13
Linezolid 30 µg	21	-	-
Ofloxacin 5 µg	16	13-15	12
Penicillin 10 U	24	-	-
Quinupristin-dalfopristin 15 µg	19	16-18	15
Tetracycline 30 µg	23	19-22	18
Trovafloxacin 10 µg	19	16-18	15
Vancomycin 30 µg	17	-	-

Burkholderia cepacia complex

Antibiotic	Susceptible	Intermediate	Resistant
Ceftazidime 30 µg	21	18-20	17
Meropenem 10 µg	20	16-19	15
Minocycline 30 µg	19	15-18	14
Trimethoprim-sulfamethoxazole 1.25/23.75 µg	16	11-15	10

Coagulase-Negative Staphylococci (CoNS)

Antibiotic	Susceptible	Intermediate	Resistant
Enoxacin 10 µg	18	15-17	14

CoNS except *S. lugdeninsis*

Antibiotic	Susceptible	Intermediate	Resistant
Cefoxitin 30 µg	25	-	24

***E. coli* (urine) 200 µg**

Antibiotic	Susceptible	Intermediate	Resistant
Fosfomicin 200 µg	16	13-15	12

Enterobacteriaceae

Antibiotic	Susceptible	Intermediate	Resistant
Amikacin 30 µg	17	15-16	14
Amoxycillin - Clavulanic acid 20/10 µg	18	14-17	13
Ampicillin 10 µg	17	14-16	13
Ampicillin - Sulbactam 10/10 µg	15	12-14	11
Aztreonam 30 µg	21	18-20	17
Cedinir 5 µg	20	17-19	16
Cefaclor 30 µg	18	15-17	14
Cefamandole 30 µg	18	15-17	14
Cefazolin 30 µg	23	20-22	19
Cefazolin (urine) 30 µg	15	-	14
Cefepime 30 µg	25	19-24	25
Cefetamet 10 µg	18	15-17	14
Cefixime 5 µg	19	16-18	15
Cefmetazole 30 µg	16	13-15	12
Cefonicid 30 µg	18	15-17	14
Cefoperazone 75 µg	21	16-20	15
Cefotaxime 30 µg	26	23-25	22
Cefotetan 30 µg	16	13-15	12
Cefoxitin 30 µg	18	15-17	14
Cefpodoxime 10 µg	21	18-20	17
Cefprozil 30 µg	18	15-17	14
Ceftaroline 30 µg	23	20-22	23
Ceftazidime 30 µg	21	18-20	17
Ceftibuten 30 µg	21	18-20	17
Ceftizoxime 30 µg	25	22-24	21
Ceftriaxone 30 µg	23	20-22	19
Cefuroxime (oral) 30 µg	23	15-22	14
Cefuroxime (parenteral) 30 µg	18	15-17	14

Cephalothin 30 µg	18	15-17	14
Chloramphenicol 30 µg	18	13-17	12
Cinoxacin 100 µg	19	15-18	14
Ciprofloxacin 5 µg	21	16-20	15
Doripenem 10 µg	23	20-22	19
Doxycycline 30 µg	14	11-13	10
Enoxacin 10 µg	18	15-17	14
Ertapenem 10 µg	22	19-21	18
Fleroxacin 5 µg	19	16-18	15
Gatifloxacin 5 µg	18	15-17	14
Gemifloxacin 5 µg	20	16-19	15
Gentamicin 10 µg	15	13-14	12
Grepafloxacin 5 µg	18	15-17	14
Imipenem 10 µg	23	20-22	19
Kanamycin 30 µg	18	14-17	13
Levofloxacin 5 µg	17	14-16	13
Lomefloxacin 10 µg	22	19-21	18
Loracarbef 30 µg	18	15-17	14
Mecillinam 10 µg	15	12-14	11
Meropenem 10 µg	23	20-22	19
Minocycline 30 µg	16	13-15	12
Moxalactam 30 µg	23	15-22	14
Nalidixic Acid 30 µg	19	14-18	13
Netilmicin 30 µg	15	13-14	12
Nitrofurantoin 300 µg	17	15-16	14
Norfloxacin 10 µg	17	13-16	12
Ofloxacin 5 µg	16	13-15	12
Piperacillin 100 µg	21	18-20	17
Piperacillin - Tazobactam 100/10 µg	21	18-20	17
Streptomycin 10 µg	15	12-14	11
Sulfonamides 250 µg	17	13-16	12

Tetracycline 30 µg	15	12-14	11
Ticarcillin 75 µg	20	15-19	14
Ticarcillin - Clavulanate 75/10 µg	20	15-19	14
Tobramycin 10 µg	15	13-14	12
Trimethoprim 5 µg	16	11-15	10
Trimethoprim- sulfamethoxazole 1.25/23.75 µg	16	11-15	10

Enterococcus spp

Antibiotic	Susceptible	Intermediate	Resistant
Ampicillin 10 µg	17	-	16
Chloramphenicol 30 µg	18	13-17	12
Ciprofloxacin 5 µg	21	16-20	15
Doxycycline 30 µg	16	13-15	12
Erythromycin 15 µg	23	14-22	13
Fosfomicin 200 µg	16	13-15	12
Gatifloxacin 5 µg	18	15-17	14
Levofloxacin 5 µg	17	14-16	13
Linezolid 30 µg	23	21-22	20
Minocycline 30 µg	19	15-18	14
Nitrofurantoin 300 µg	17	15-16	14
Norfloxacin 10 µg	17	13-16	12
Penicillin 10 U	15	-	14
Quinupristin-dalfopristin 15 µg	19	16-18	15
Rifampin 5 µg	20	17-19	16
Teicoplanin 30 µg	14	11-13	10
Tetracycline 30 µg	19	15-18	14
Vancomycin 30 µg	17	15-16	14

Haemophilus influenza

Antibiotic	Susceptible	Intermediate	Resistant
Amoxicillin - Clavulanic acid 20/10 µg	20	-	19
Ampicillin 10 µg	22	19-21	18
Ampicillin - Sulbactam 10/10 µg	20	-	19
Azithromycin 15 µg	12	-	-
Aztreonam 30 µg	26	-	-
Cefaclor 30 µg	20	17-19	16
Cefdinir 5 µg	20	-	-
Cefepime 30 µg	26	-	-
Cefetamet 10 µg	18	15-17	14
Cefixime 5 µg	21	-	-
Cefonicid 30 µg	20	17-19	16
Cefotaxime 30 µg	26	-	-
Cefpodoxime 10 µg	21	-	-
Cefprozil 30 µg	18	15-17	14
Ceftaroline 30 µg	30	-	-
Ceftazidime 30 µg	26	-	-
Ceftibuten 30 µg	28	-	-
Ceftizoxime 30 µg	26	-	-
Ceftriaxone 30 µg	26	-	-
Cefuroxime 30 µg	20	17-19	16
Chloramphenicol 30 µg	29	26-28	25
Ciprofloxacin 5 µg	21	-	-
Clarithromycin 15 µg	13	11-12	10
Doripenem 10 µg	16	-	-
Ertapenem 10 µg	19	-	-
Fleroxacin 5 µg	19	-	-
Gatifloxacin 5 µg	18	-	-
Gemifloxacin 5 µg	18	-	-

Grepafloxacin 5 µg	24	-	-
Imipenem 10 µg	16	-	-
Levofloxacin 5 µg	17	-	-
Lomefloxacin 10 µg	22	-	-
Loracarbef 30 µg	19	16-18	15
Meropenem 10 µg	20	-	-
Moxifloxacin 5 µg	18	-	-
Ofloxacin 5 µg	16	-	-
Piperacillin - Tazobactam 100/10 µg	21	-	-
Rifampin 5 µg	20	17-19	16
Telithromycin 15 µg	15	12-14	11
Tetracycline 30 µg	29	26-28	25
Trimethoprim- sulfamethoxazole 1.25/23.75 µg	16	11-15	10
Trovafloxacin 10 µg	22	-	-

Neisseria gonorrhoeae

Antibiotic	Susceptible	Intermediate	Resistant
Cefepime 30 µg	31	-	-
Cefetamet 10 µg	29	-	-
Cefixime 5 µg	31	-	-
Cefmetazole 30 µg	33	28-32	27
Cefotaxime 30 µg	31	-	-
Cefotetan 30 µg	26	20-25	19
Cefoxitin 30 µg	28	24-27	23
Cefpodoxime 10 µg	29	-	-
Ceftazidime 30 µg	31	-	-
Ceftizoxime 30 µg	38	-	-
Ceftriaxone 30 µg	35	-	-
Cefuroxime 30 µg	31	26-30	25
Ciprofloxacin 5 µg	41	28-40	27
Enoxacin 10 µg	36	32-35	31
Fleroxacin 5 µg	35	29-34	28
Lomefloxacin 10 µg	38	27-37	26
Ofloxacin 5 µg	31	25-30	24
Penicillin 10 U	47	27-46	26
Spectinomycin 100 µg	18	15-17	14
Tetracycline 30 µg	38	31-37	30

Neisseria meningitidis

Antibiotic	Susceptible	Intermediate	Resistant
Azithromycin 15 µg	20	-	-
Cefotaxime 30 µg	34	-	-
Ceftriaxone 30 µg	34	-	-
Chloramphenicol 30 µg	26	20-25	19
Ciprofloxacin 5 µg	35	33-34	32
Meropenem 10 µg	30	-	-
Minocycline 30 µg	26	-	-
Rifampin 5 µg	25	20-24	19
Trimethoprim-sulfamethoxazole 1.25/23.75 µg	30	26-29	25

Pseudomonas aeruginosa

Antibiotic	Susceptible	Intermediate	Resistant
Amikacin 30 µg	17	15-16	14
Aztreonam 30 µg	22	16-21	15
Cefepime 30 µg	18	15-17	14
Ceftazidime 30 µg	18	15-17	14
Ciprofloxacin 5 µg	21	16-20	15
Colistin 10 µg	11	-	10
Doripenem 10 µg	19	16-18	15
Gatifloxacin 5 µg	18	15-17	14
Gentamicin 10 µg	15	13-14	12
Imipenem 10 µg	19	16-18	15
Levofloxacin 5 µg	17	14-16	13
Lomefloxacin 10 µg	22	19-21	18
Meropenem 10 µg	19	16-18	15
Netilmicin 30 µg	15	13-14	12

Norfloxacin 10 µg	17	13-16	12
Ofloxacin 5 µg	16	13-15	12
Piperacillin 100 µg	21	15-20	14
Piperacillin - Tazobactam 100/10 µg	21	15-20	14
Polymyxin B 300 µg	12	-	11
Ticarcillin 75 µg	24	16-23	15
Ticarcillin - Clavulanate 75/10 µg	24	16-23	15
Tobramycin 10 µg	15	13-14	12

Salmonella enterica ssp typhi

Antibiotic	Susceptible	Intermediate	Resistant
Azithromycin 15 µg	13	-	12

Salmonella spp

Antibiotic	Susceptible	Intermediate	Resistant
Ciprofloxacin 15 µg	31	21-30	20
Pefloxacin 5 µg	24	-	23

Staphylococcus aureus

Antibiotic	Susceptible	Intermediate	Resistant
Amikacin 30 µg	17	15-16	14
Azithromycin 15 µg	18	14-17	13
Cefoxitin 30 µg	22	-	21
Ceftaroline 30 µg	24	21-23	20
Chloramphenicol 30 µg	18	13-17	12
Ciprofloxacin 5 µg	21	16-20	15
Clarithromycin 15 µg	18	14-17	13
Clindamycin 2 µg	21	15-20	14
Dirithromycin 15 µg	19	16-18	15
Doxycycline 30 µg	16	13-15	12
Erythromycin 15 µg	23	14-22	13
Fleroxacin 5 µg	19	16-18	15
Gatifloxacin 5 µg	23	20-22	19
Gentamicin 10 µg	15	13-14	12
Grepafloxacin 5 µg	18	15-17	14
Kanamycin 30 µg	18	14-17	13
Levofloxacin 5 µg	19	16-18	15
Linezolid 30 µg	21	-	20
Lomefloxacin 20 µg	22	19-21	18
Minocycline 30 µg	19	15-18	14
Moxifloxacin 5 µg	24	21-23	20
Netilmicin 30 µg	15	13-14	12
Nitrofurantoin 300 µg	17	15-16	14
Norfloxacin 10 µg	17	13-16	12
Ofloxacin 5 µg	18	15-17	14
Penicillin 10 U	29	-	28
Quinupristin-dalfopristin 15 µg	19	16-18	15
Rifampin 5 µg	20	17-19	16
Sparfloxacin 5 µg	19	16-18	15
Sulfonamides 250 µg	17	13-16	12
Teicoplanin 30 µg	14	11-13	10

Telithromycin 15 µg	22	19-21	18
Tetracycline 30 µg	19	15-18	14
Tobramycin 10 µg	15	13-14	12
Trimethoprim 5 µg	16	11-15	10
Trimethoprim-sulfamethoxazole 1.25/23.75 µg	16	11-15	10

Stenotrophomonas maltophilia

Antibiotic	Susceptible	Intermediate	Resistant
Levofloxacin 5 µg	17	14-16	13
Minocycline 30 µg	19	15-18	14
Trimethoprim-sulfamethoxazole 1.25/23.75 µg	16	11-15	10

Streptococcus pneumonia

Antibiotic	Susceptible	Intermediate	Resistant
Azithromycin 15 µg	18	14-17	13
Chloramphenicol 30 µg	21	-	20
Clarithromycin 15 µg	21	17-20	16
Clindamycin 2 µg	19	16-18	15
Dirithromycin 15 µg	18	14-17	13
Doxycycline 30 µg	28	25-27	24
Erythromycin 15 µg	21	16-20	15
Gatifloxacin 5 µg	21	18-20	17
Gemifloxacin 5 µg	23	20-22	19
Levofloxacin 5 µg	17	14-16	13
Linezolid 30 µg	21	-	-
Moxifloxacin 5 µg	18	15-17	14
Ofloxacin 5 µg	16	13-15	12

Oxacillin 1 µg	20	-	-
Quinupristin-dalfopristin 15 µg	19	16-18	15
Rifampin 5 µg	19	17-18	16
Sparfloxacin 5 µg	19	16-18	15
Telithromycin 15 µg	19	16-18	15
Tetracycline 30 µg	28	25-27	24
Trimethoprim-sulfamethoxazole 1.25/23.75 µg	19	16-18	15
Vancomycin 30 µg	17	-	-

Viridans Group Streptococci

Antibiotic	Susceptible	Intermediate	Resistant
Azithromycin 15 µg	18	14-17	13
Cefepime 30 µg	24	22-23	21
Cefotaxime 30 µg	28	26-27	25
Ceftriaxone 30 µg	27	25-26	24
Chloramphenicol 30 µg	21	18-20	17
Clarithromycin 15 µg	21	17-20	16
Clindamycin 2 µg	19	16-18	15
Dirithromycin 15 µg	18	14-17	13
Erythromycin 15 µg	21	16-20	15
Gatifloxacin 5 µg	21	18-20	17
Grepafloxacin 5 µg	19	16-18	15
Levofloxacin 5 µg	17	14-16	13
Linezolid 30 µg	21	-	-
Ofloxacin 5 µg	16	13-15	12
Quinupristin-dalfopristin 15 µg	19	16-18	15
Tetracycline 30 µg	23	19-22	18
Trovafloxacin 10 µg	19	16-18	15
Vancomycin 30 µg	17	-	-

Refrence

Performance Standards for Antimicrobial Susceptibility Testing, 27th Edition (CLSI M100-S27) .