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Amikacin Sulfate, USP (1:2)

Susceptibility and Minimum Inhibitory Concentration (MIC) Data

Issue date 01/06/2020

Microorganism Genus, Species, and Strain (if shown)	**Concentration Range (µg/ml)**
Bacillus subtilis	<100
Borrelia burgdorferi S.L.	32 — >128
Brucella	1 — 4
Burkholderia cepacia	32 — >64
Candida albicans	<100
Citrobacter amalonaticus	≤0.25 — 32
Citrobacter braakii	≤0.25 — 32
Citrobacter diversus	≤0.25 — 32
Citrobacter farmeri	≤0.25 — 32
Citrobacter freundii	≤0.25 — 32
Citrobacter koseri	≤0.25 — 32
Citrobacter spp.	≤0.25 — 32
Diplococcus pneumoniae	50 — 200
Enterobacter aerogenes	≤0.25 — >32
Enterobacter agglomerans	1 — 8
Enterobacter amnigenus	≤0.25 — >32
Enterobacter asburiae	≤0.25 — >32
Enterobacter cancerogenus	≤0.25 — >32
Enterobacter cloacae	≤0.25 — >128
Enterobacter cloacae (4073)	1
Enterobacter cloacae (5420)	1
Enterobacter cloacae (ATCC 3047)	4
Enterobacter gergoviae	≤0.25 — >32
Enterobacter hormaechei	≤0.25 — >32
Enterobacter intermedius	0.25 — >32
Enterobacter sakazakii	≤0.25 — >32
Enterobacter spp.	≤0.25 — >32
Enterobacter taylorae	≤0.25 — >32
Enterobacteriaceae	0.03 — 128
Enterococcus faecalis	128
Erwinia carotovora	<100
Escherichia coli	≤0.25 — 64
Escherichia coli (5401)	2
Escherichia coli (5411)	8
Escherichia coli (ATCC 25922 + aminoglycoside-susceptible)	1
Escherichia coli (ATCC 25922)	3.9 — 64
Escherichia coli (ESBL)	<0.25 — 128
Escherichia coli (JM83 + AAC6'/APH2")	8
Escherichia coli (JM83 + APH(3')-I)	1
Escherichia coli (JM83)	1
Escherichia coli (NCTC 10418)	0.5
Escherichia coli (non-ESBL)	≤0.5 — 16
Escherichia coli (non-ESBL)	2 — 4
Escherichia coli (SHV-producing)	<0.25 — 8
Haemolytic streptococci	1 — 128
Haemophilus influenzae	1.6 — 6.3
Haemophilus spp.	0.12 — 16
Klebsiella ornithinolytica	≤0.25 — >32
Klebsiella ozaenae	≤0.25 — >32
Klebsiella pneumonia	≤0.25 — >64
Klebsiella pneumonia (5427)	2
Klebsiella pneumonia (5436)	1
Klebsiella pneumonia (ESBL)	≤0.5 — >256
Klebsiella pneumonia (non-ESBL)	≤0.5 — 32
Klebsiella pneumoniae (ATCC 13883 + aminoglycoside-susceptible)	1
Klebsiella pneumoniae (ATCC 33018)	128
Klebsiella pneumoniae (ATCC 700603 + ampicillin-resistant)	0.5 — 1
Klebsiella spp.	≤0.25 — >32
Klebsiella spp. (ESBL)	≤0.25 — >32
Klebsiella terrigena	≤0.25 — >32
Morganella morganii	≤1 — 8
Morganella morganii (indole-positive)	0.5 — 32
Morganella spp.	≤0.5 — 32
Mycobacterium chelonae	32
Mycobacterium marinum	0.5 — 8
Mycobacterium tuberculosis (BACTEC 460 + H37Ra)	2.5
Mycobacterium tuberculosis (BACTEC 460 + H37Ragfp)	2.5

Microorganism Genus, Species, and Strain (if shown)	**Concentration Range (µg/ml)**
Mycobacterium tuberculosis (GFPMA H37Ragfp)	2.5
Mycobacterium tuberculosis (H37Ra)	20
Mycobacterium tuberculosis (H37Rv)	0.5 — 20
Neisseria spp.	0.5 — 16
Nocardia brasiliensis	0.125 — 4
Pandoraea apista	16
Pandoraea genomo	>64
Pandoraea pnomenusa	>64
Pasteurella multocida	2 — 32
Pasteurella multocida	<4
Plesiomonas shigelloides	2 — 32
Pneumococci	1 — 128
Proteae spp. (indole-positive)	≤0.25 — >32
Proteus mirabilis	0.5 — >32
Proteus mirabilis	1 — 8
Proteus mirabilis	≤1 — 8
Proteus mirabilis (ESBL)	≤0.5 — >256
Proteus rettgeri (indole-positive)	0.5 — 32
Proteus vulgaris (indole-positive)	0.5 — 32
Providencia alcalifaciens (indole-positive)	0.5 — 32
Providencia spp.	≤0.5 — 32
Providencia stuartii (indole-positive)	0.5 — 32
Pseudomonas aeruginosa	≤0.25 — 512
Pseudomonas aeruginosa (1019)	4
Pseudomonas aeruginosa (1037)	2
Pseudomonas aeruginosa (66)	4
Pseudomonas aeruginosa (956)	16
Pseudomonas aeruginosa (ATCC 27853 + aminoglycoside-resistant)	32 — 64
Pseudomonas aeruginosa (ATCC 27853)	1.9 - 2
Pseudomonas aeruginosa (C43)	32
Pseudomonas aeruginosa (ciprofloxacin-resistant)	16
Pseudomonas aeruginosa (ciprofloxacin-susceptible)	3
Pseudomonas aeruginosa (clinical isolate)	≤1 — >64
Pseudomonas aeruginosa (NCTC 10662)	2
Pseudomonas cepacia	>128
Pseudomonas spp.	0.06 — 128
Salmonella (group B)	≤0.25 — 16
Salmonella (group C)	≤0.25 — 16
Salmonella (group D)	≤0.25 — 16
Salmonella agona	≤0.25 — 16
Salmonella arizonae	≤0.25 — 16
Salmonella bareilly	≤0.25 — 16
Salmonella enterica	≤0.25 — 16
Salmonella enteritidis	≤0.25 — 16
Salmonella hadar	≤0.25 — 16
Salmonella heidelberg	≤0.25 — 16
Salmonella infantis	≤0.25 — 16
Salmonella litchfield	≤0.25 — 16
Salmonella Montevideo	≤0.25 — 16
Salmonella muenchen	≤0.25 — 16
Salmonella Newport	≤0.25 — 16
Salmonella panama	≤0.25 — 16
Salmonella Paratyphi	≤0.25 — 16
Salmonella schwarzengrund	≤0.25 — 16
Salmonella spp.	≤0.25 — 16
Salmonella stanley	≤0.25 — 16
Salmonella stpaul	≤0.25 — 16
Salmonella thompson	≤0.25 — 16
Salmonella typhi	≤0.25 — 16
Salmonella typhimurium	≤0.25 — 16
Salmonella virchow	≤0.25 — 16
Serratia fonticola	≤0.25 — >32
Serratia liquefaciens	≤0.25 — >32
Serratia marcescens	≤0.25 — >32
Serratia marcescens (ATCC 13880)	8
Serratia marcescens (SM-1178 + multidrug-resistant)	32
Serratia odorifera	≤0.25 — >32
Serratia plymuthica	≤0.25 — >32
Serratia rubidaea	≤0.25 — >32
Serratia spp.	≤0.25 — >32
Shigella boydii	2 — 8
Shigella dysenteriae	2 — 8

Microorganism Genus, Species, and Strain (if shown)	**Concentration Range (µg/ml)**
Shigella dysenteriae (SD-5 + multidrug-resistant)	2 — ?
Shigella flexneri	0.5 — 16
Shigella sonnei	0.5 — 16
Shigella spp.	2 — 8
Shingella dysenteriae	0.5 — 16
Staphylococci	0.008 — 128
Staphylococcus aureus	2 — <100
Staphylococcus aureus (1010 + methicillin-resistant)	8
Staphylococcus aureus (3)	<1
Staphylococcus aureus (31593)	1
Staphylococcus aureus (ATCC 25923 + aminoglycoside-susceptible)	1
Staphylococcus aureus (ATCC 29213)	1 - 2
Staphylococcus aureus (ATCC 33591 + methicillin-resistant)	8 — 16
Staphylococcus aureus (ATCC 6571)	1
Staphylococcus aureus (methicillin-resistant)	0.5 — 32
Staphylococcus aureus (methicillin-susceptible)	0.25 — 8
Staphylococcus epidermidis (methicillin-resistant)	0.5 — 32
Staphylococcus epidermidis (methicillin-susceptible)	0.25 — 8
Staphylococcus haemolyticus (methicillin-resistant)	0.25 — 32
Staphylococcus intermedius (ATCC 29663)	2
Staphylococcus saprophyticus (methicillin-susceptible)	0.25 — 8
Stenotrophomonas maltophilia	0.5 — >272
Streptococcus faecalis	>64
Xanthomonas campestris	<100
Xanthomonas maltophilia	48
Yersinia enterocolitica	2 — 32

The data above is sourced from The Antimicrobial Index. For further assistance, please contact us at info@toku-e.com or visit www.toku-e.com.