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Erythromycin Susceptibility and Minimum Inhibitory Concentration (MIC) Data

Issue date 01/06/2020

Microorganism Genus, Species, and Strain (if shown)	**Concentration Range (µg/ml)**
Aggregatibacter actinomycetemcomitans	8 — >32
Alcaligenes faecalis (ATCC 1004)	20
Bacillus cereus	0.007 — 16
Bacillus circulans (pH 7.0)	≤0.03 — 16
Bacillus pumilus (ATCC 14884)	2 — 12.5
Bacillus spp.	≤0.12 — >16
Bacillus subtilis	0.12 — 412
Bacteroides capillosus (pH 7.0)	≤0.03 — 2
Bacteroides fragilis	0.25 — 128
Bacteroides tectum	0.25 — 1
Bacteroides ureolyticus	≤0.03 — 2
Bifidobacterium adolescentis	3.95
Bifidobacterium animalis	>1.95 — <3.95
Bifidobacterium bifidum	7.8 — 15.62
Bifidobacterium breve	≤0.03 — 16
Bifidobacterium Infantis	15.6
Bifidobacterium longum	≤0.03 — 16
Bifidobacterium pseudolongum	3.9
Bifidobacterium sp.	<0.98 — 3.9
Bifidobacterium thermophilum	0.98 — 1.95
Bilophila wadsworthia	4 — 32
Borrelia afzelii	0.0078 — 0.0625
Borrelia bissettii	0.0312 — 0.06
Borrelia burgdorferi	0.0039 — 1
Borrelia garinii	0.0078 — 0.0625
Borrelia valaisiana	0.0156 — 0.03
Brachyspira hyodysenteriae	4 - >256
Branhamella catarrhalis	≤0.08 — 0.6
Brevibacterium casei	0.5 — 4
Brevibacterium spp.	≤0.015 — >128
Brucella	0.5 — >256
Brucella suis	0.98 — 1.95
Burkholderia cepacia	≥128
Campylobacter coli	0.5 — >1024
Campylobacter concisus	0.125 — 2
Campylobacter fetus	≤0.06 — 4
Campylobacter gracilis	0.125 — 2
Campylobacter jejuni	0.125 —>1024
Campylobacter lari	8 — 32
Campylobacter mucosalis	0.125 — 2
Campylobacter rectus	0.125 — 2
Campylobacter showae	0.125 — 2
Campylobacter spp.	≤0.12 — 2
Campylobacter sputorum	0.125 — 2
Capnocytophaga ochracea	≤0.03 — 2
Capnocytophaga spp.	2
Cellulomonas biazotea	4
Cellulomonas cellasea	≤0.03
Cellulomonas fermentans	0.06
Cellulomonas fimi	4
Cellulomonas flavigena	0.25
Cellulomonas gelida	0.5
Cellulomonas hominis	1 - 2
Cellulomonas uda	0.5
Chlamydia pneumonia	0.008 — 0.5
Chlamydia psittaci	0.25
Chlamydophila pneumonia	0.015 — 0.25
Citrobacter freundii	>16
Clostridium clostridioforme	0.25 — >32
Clostridium difficile	0.125 — 256
Clostridium innocuum	0.5 — >32
Clostridium perfringens	2
Clostridium ramosum	0.5 — >32
Clostridium spiroforme	1 - >8
Collinsella aerofaciens	≤0.03 — 0.125
Corynebacterium	≤0.06 — ≥64
Corynebacterium afermentans	≤0.015 — >128

Microorganism Genus, Species, and Strain (if shown)	**Concentration Range (µg/ml)**
Corynebacterium amycolatum	0.125 — >128
Corynebacterium aquaticum	≤0.12 — >16
Corynebacterium argentoratense	≤0.06 — ≥64
Corynebacterium auris	≤0.06 — ≥64
Corynebacterium coyleae	≤0.06 — ≥64
Corynebacterium diphtheriae	≤0.06
Corynebacterium glucuronolyticum	≤0.06 — ≥64
Corynebacterium jeikeium	≤0.015 — >128
Corynebacterium macginleyi	≤0.06
Corynebacterium minutissimum	≤0.015 — ≥64
Corynebacterium mucifaciens	≤0.06 — ≥64
Corynebacterium pseudodiphtheriticum	≤0.015 — ≥64
Corynebacterium spp.	1 — >8
Corynebacterium spp.	0.004 — >128
Corynebacterium striatum	≤0.015 — >128
Corynebacterium ulcerans	≤0.06
Corynebacterium urealyticum	≤0.015 — >128
Coryneform	≤0.015 — >128
Dermabacter hominis	≤0.06 — ≥64
Dialister pneumosintes	≤0.03 — 2
Diphtheroids	0.5 — >512
Diplococcus pneumoniae	0.002 — 0.02
Edwardsiella hoshinae	8 — 32
Edwardsiella ictaluri	4 — 64
Edwardsiella tarda	8 — 64
Eikenella corrodens	≤0.25 — >32
Enterobacter aerogenes	>16
Enterobacter cloacae	>16
Enterococci	0.25 — 128
Enterococcus	≤0.125 — 8
Enterococcus avium	≤0.12 — >64
Enterococcus casseliflavus	≤0.12 — >16
Enterococcus cecorum	≤0.12 — >16
Enterococcus durans	≤0.12 — >16
Enterococcus faecalis	0.1 — >512
Enterococcus faecium	0.1 — >512
Enterococcus gallinarum	≤0.12 — >128
Enterococcus hirae	0.1 — >100
Enterococcus raffinosus	≤0.12 — >16
Enterococcus sp	0.06 — >128
Erwinia carotovora	50
Erwinia rhapontici	5
Erysipelothrix rhusiopathiae	0.03
Escherichia coli	0.003 — 530
Eubacterium lentum	≤0.03 — 0.125
Eubacterium saburreum	≤0.03 — 0.06
Eubacterium spp.	≤0.03 — 0.125
Eubacterium timidum	≤0.03 — 0.125
Eubacterium yurii	≤0.03 — 0.125
Finegoldia magna	≤0.03 — >32
Fusobacterium	0.03 — 64
Fusobacterium gonidiaformans	1 — >32
Fusobacterium mortiferum	2 — >32
Fusobacterium naviforme	≤0.03 — >32
Fusobacterium necrogenes	2 — >32
Fusobacterium necrophorum	≤0.03 — >32
Fusobacterium nucleatum	≤0.03 — >32
Fusobacterium russii	1 — >32
Fusobacterium ulcerans	2 — >32
Fusobacterium varium	≥32
Gemella spp.	≤0.12 — >16
Haemolytic streptococci	0.06 — 8
Haemophilus influenzae	0.015 — >256
Haemophilus parasuis	0.25 — 8
Haemophilus spp.	0.25 — 128
Helicobacter pullorum	0.25 — 4
Helicobacter pylori	0.015 — >128
Jonesia denitrificans	0.25
Klebsiella pneumonia	0.09765 — 256
Lactobacillus acidophilus	0.98 — 12500
Lactobacillus amylovorus	≤0.12 — ≥256
Lactobacillus brevis	0.125 — 128

Microorganism Genus, Species, and Strain (if shown)	**Concentration Range (µg/ml)**
Lactobacillus buchneri	≤0.125 — 0.25
Lactobacillus bulgaricus	1.9 — 3.9
Lactobacillus casei	0.125 — 3.9
Lactobacillus catenaforme	≤0.03 — 16
Lactobacillus crispatus	≤0.12 — 0.25
Lactobacillus curvatus	0.125 — 128
Lactobacillus delbrueckii	≤0.03 — 16
Lactobacillus fermentum	≤0.12 — 4
Lactobacillus gallinarum	≤0.12
Lactobacillus gasseri	≤0.12 — ≥256
Lactobacillus helveticus	≤0.12 — 0.25
Lactobacillus johnsonii	≤0.12 — 100
Lactobacillus lactis	0.98
Lactobacillus oris	≤0.03 — 16
Lactobacillus paracasei	≤0.12 — 1024
Lactobacillus pentosus	64
Lactobacillus plantarum	≤0.03 — 512
Lactobacillus reuteri	≤0.25 — 512
Lactobacillus rhamnosus	≤0.12 — ≥256
Lactobacillus sakei	≤0.12 — 256
Lactobacillus salivarius	≤0.125 — 10
Lactobacillus sp.	≤0.03 — ≥500
Lactococcus	≤0.125 — 8
Legionella adelaidensis	0.125
Legionella anisa	0.5
Legionella birminghamiensis	0.5
Legionella bozemanii	0.256
Legionella brunensis	0.5
Legionella cherrii	0.25
Legionella cincinnatiensis	0.125
Legionella dumofii	0.143 — 0.5
Legionella erythra	0.75
Legionella fairfieldensis	0.032
Legionella feeleii	0.315
Legionella geestiana	0.25
Legionella gormanii	0.217
Legionella gratiana	0.5
Legionella hackeliae	0.5
Legionella israelensis	0.5
Legionella jamestowniensis	1
Legionella jordanis	1
Legionella lansingensis	0.188 — 0.375
Legionella longbeachae	0.008 — 0.5
Legionella maceachernii	0.5
Legionella micdadei	0.5 — 1
Legionella moravica	0.188
Legionella nautarum	0.125
Legionella oakridgensis	1
Legionella pneumophila	0.008 — 1
Legionella quateirensis	0.064
Legionella quinlivanii	0.188
Legionella rubrilucens	0.5
Legionella sainthelensi	0.25
Legionella santicrucis	0.25
Legionella shakespearei	1
Legionella spiritensis	0.25
Legionella spp.	0.25 — 1
Legionella steigerwaltii	0.375
Legionella tucsonensis	0.064
Legionella wadsworthii	0.25
Leptotrichia buccalis	≤0.03 — 16
Leuconostoc	≤0.125 — 8
Leuconostoc mesenteroides	16
Leuconostoc pseudomesenteroides	≤1
Leuconostoc spp.	≤0.12 — >512
Listeria ivanovii	0.047
Listeria monocytogenes	0.047 — >16
Listeria spp.	0.038 — >256
Microbacterium spp.	≤0.06 — 8
Micrococcus	17 — 29
Micrococcus kristinae	32
Micrococcus luteus	0.008 — 4

Microorganism Genus, Species, and Strain (if shown)	Concentration Range (µg/ml)
Micrococcus spp.	≤0.12 — >16
Micromonas micros	≤0.03 — 0.5
Moraxella catarrhalis	0.008 — 16
Morganella morganii	>16 — >256
Mycobacterium avium	4 — >256
Mycobacterium marinum	8 — >32
Mycobacterium smegmatis	2.5 — 64
Mycoplasma fermentans	>64
Mycoplasma gallisepticum	≤0.03
Mycoplasma genitalium	≤0.015
Mycoplasma hominis	>32 — >64
Mycoplasma hyopneumoniae	8 — >64
Mycoplasma iowae	≤0.03
Mycoplasma penetrans	1 — 4
Mycoplasma pneumonia	≤0.001 — 16
Mycoplasma synoviae	16
Neisseria cinerea	1 — 8
Neisseria gonorrhoeae	0.015 — 1
Neisseria lactamica	2 — 4
Neisseria meningitidis	≤0.03 — 2
Neisseria mucosa	0.25 — 8
Neisseria perflava/sicca	0.5 — 16
Neisseria polysaccharea	0.06 — 4
Neisseria sicca	0.03 — 16
Nocardia asteroides	0.4 — ≥400
Oerskovia spp.	≤0.015 — >128
Oerskovia turbata	2
Oerskovia xanthineolytica	4
Olsenella uli	≤0.03 — 16
Pasteurella multocida	0.78
Pediococcus	≤0.125 — 8
Pediococcus acidilactici (HA-6111-2)	4
Pediococcus pentosaceus	16
Pediococcus spp.	≤0.12 — >16
Peptostreptococcus	≤0.015 — 64
Peptostreptococcus anaerobius	≤0.03 — >32
Peptostreptococcus asaccharolyticus	1 — >32
Peptostreptococcus magnus	1 — >32
Peptostreptococcus micros	0.5 — 1
Peptostreptococcus prevotii	0.03 — >32
Peptostreptococcus spp.	2 — 4
Pneumococci	0.06 — 128
Porphyromonas	≤0.015 — 64
Porphyromonas asaccharolytica	0.03 — 32
Porphyromonas cangingivalis	≤0.015 — 0.5
Porphyromonas canoris	0.03 — 0.25
Porphyromonas cansulci	≤0.015 — 0.5
Porphyromonas circumdentaria	≤0.015 — 0.5
Porphyromonas endodontalis	≤0.03 — 2
Porphyromonas gingivalis	≤0.03 — 8
Porphyromonas levii	≤0.015 — 0.5
Porphyromonas macacae	0.06 — 0.25
Prevotella bivia	0.06 — >32
Prevotella buccae	≤0.03 — >32
Prevotella buccalis	≤0.03 — >32
Prevotella corporis	≤0.03 — 16
Prevotella dentalis	≤0.03 — >32
Prevotella denticola	≤0.03 — 32
Prevotella disiens	≤0.03 — >32
Prevotella heparinolytica	0.25 — 0.5
Prevotella intermedia	≤0.03 — >32
Prevotella loescheii	≤0.03 — 16
Prevotella melaninogenica	≤0.03 — 16
Prevotella nigrescens	≤0.03 — >32
Prevotella oralis	≤0.03 — >32
Prevotella oris	≤0.03 — >32
Prevotella pallens	≤0.03 — >32
Prevotella spp.	≤0.03 — >32
Prevotella tannerae	≤0.03 — 16
Prevotella zooglioformans	≤0.03 — >32
Propionibacterium avidum	≤0.03 — 16
Propionibacterium freudenreichii subsp. shermanii (131)	<0.25

Microorganism Genus, Species, and Strain (if shown)	**Concentration Range (µg/ml)**
Propionibacterium granulosum	0.06 — 0.125
Proteus vulgaris	0.048 — 512
Pseudomonas aeruginosa	0.1953 — 250
Pseudomonas syringae	6.25
Rhodococcus equi	≤0.015 — >4
Rhodococcus spp.	≤0.12 —32
Salmonella enteritidis	2 — >16
Salmonella spp.	128
Salmonella typhi	2.5 — >256
Selenomonas flueggei	≤0.03 — 2
Selenomonas infelix	≤0.03 — 2
Selenomonas spp.	≤0.03 — 2
Serratia marcescens	3.125
Shigella flexneri	64
Shigella sonnei (Vero)	>16
Sinorhizobium meliloti	0.78
Staphylococci	0.06 — 128
Staphylococci (coagulase-negative + methicillin-resistant)	≤0.12 — >128
Staphylococci (coagulase-negative + methicillin-susceptible)	≤0.12 — >128
Staphylococci (coagulase-negative)	≤0.12 — >8
Staphylococci	>128
Staphylococci (erm(C)-inducible)	1 — >128
Staphylococci (erythromycin-susceptible)	0.06 — 0.5
Staphylococci (group A)	0.125 — >64
Staphylococci (group B)	0.25 — >64
Staphylococci (group C)	0.25 — 16
Staphylococci (group G)	0.015 — 64
Staphylococci (msr)	1 — >128
Staphylococcus (coagulase-negative + oxacillin-resistant)	≤0.12 — >16
Staphylococcus (coagulase-negative + oxacillin-susceptible)	≤0.12 — >16
Staphylococcus (coagulase-negative + Uruguay)	≤0.5
Staphylococcus (coagulase-negative)	≤0.12 — >8
Staphylococcus aureus	0.023 — 1024
Staphylococcus auricularis	≤0.12 — >200
Staphylococcus capitis	≤0.12 — >200
Staphylococcus caprae	2
Staphylococcus cohnii	0.25 — 2
Staphylococcus epidermidis	<0.03 — >200
Staphylococcus haemolyticus	≤0.12 — >200
Staphylococcus hominis	≤0.12 — >200
Staphylococcus intermedius	≤0.12 — >200
Staphylococcus lugdunensis	≤0.12 — >200
Staphylococcus saprophyticus	≤0.12 — >200
Staphylococcus sciuri (LQC 5175)	2
Staphylococcus simulans	≤0.12 — >200
Staphylococcus spp.	≤0.06 — >128
Staphylococcus warneri	≤0.12 — >200
Staphylococcus xylosus	2
Stenotrophomonas maltophilia	32 - 128
Stomatococcus spp.	≤0.12 — >16
Streptococci	0.008 — >512
Streptococcus agalactiae	0.01 — >64
Streptococcus anginosus	≤0.12 — >16
Streptococcus bovis	0.015 — >16
Streptococcus constellatus	≤0.12 — >16
Streptococcus dysgalactiae	≤0.06 — >32
Streptococcus equi	0.016
Streptococcus equisimilis	≤0.06 — >32
Streptococcus faecalis	256
Streptococcus infantarius	≤0.125 — 8
Streptococcus intermedius	≤0.12 — >16
Streptococcus milleri	≤0.12 — >16
Streptococcus mutans	≤0.12 — >16
Streptococcus oralis	0.06 — 8
Streptococcus pneumonia	≤0.004 — >256
Streptococcus pyogenes	0.004 — >256
Streptococcus spp.	0.015 — >32
Treponema hyodysenteriae	6.25 — >100
Turicella otitidis	≤0.015 — >128
Ureaplasma spp.	0.125 — 16
Ureaplasma urealyticum	0.5 — 2
Veillonella spp.	≤0.03 — >32

Microorganism Genus, Species, and Strain (if shown)	Concentration Range (µg/ml)
Vibrio alginolyticus	>256
Weissella spp.	≤0.125 – 2
Xanthomonas campestris	50
Yersinia enterocolitica	<0.25 – 64

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.