

For a complete list of references, please visit antibiotics.toku-e.com

Carbenicillin Disodium, USP Susceptibility and Minimum Inhibitory Concentration (MIC) Data

Issue date 11/11/2018

Microorganism Genus, Species, and Strain (if shown)

Microorganism Genus, Species, and Strain (if shown)	Concentration Range (µg/ml)
<i>Bacillus subtilis</i> (PCI219)	0.39
<i>Bacteroides fragilis</i> (ATCC 25285)	>8
<i>Brucella</i>	≤4
<i>Burkholderia cenocepacia</i> (K56-2)	>1024
<i>Burkholderia cepacia</i> (CEP509)	>1024
<i>Burkholderia multivorans</i> (ATCC 17616)	>1024
<i>Burkholderia stabilis</i> (LMG 14086)	>1024
<i>Burkholderia vietnamensis</i> (16232)	>1024
<i>Citrobacter freundii</i> (Basal amp(C))	1
<i>Citrobacter freundii</i> (Hyperproducing amp(C))	128
<i>Citrobacter freundii</i> (Inducible amp(C))	1
<i>Clostridium perfringens</i> (ATCC 13124)	0.125
<i>Clostridium spiroforme</i> (A7)	4
<i>Clostridium spiroforme</i> (A8)	4
<i>Clostridium spiroforme</i> (B61)	4
<i>Clostridium spiroforme</i> (BA 1)	8
<i>Clostridium spiroforme</i> (C121)	2
<i>Clostridium spiroforme</i> (CED 1)	4
<i>Clostridium spiroforme</i> (D11)	8
<i>Clostridium spiroforme</i> (D13)	2
<i>Clostridium spiroforme</i> (D14)	8
<i>Clostridium spiroforme</i> (NCTC 11493)	4
<i>Clostridium spiroforme</i> (RPO 980)	>8
<i>Corynebacterium diphtheriae</i> (Tronto)	1.56
<i>Enterobacter cloacae</i> (Basal amp(C))	2
<i>Enterobacter cloacae</i> (Hyperproducing amp(C))	256
<i>Enterobacteriaceae</i>	>8 - >512
<i>Escherichia coli</i> (0-111)	1.56
<i>Escherichia coli</i> (0-143)	3.13
<i>Escherichia coli</i> (0-78)	6.25
<i>Escherichia coli</i> (ATCC 25922)	7.81
<i>Escherichia coli</i> (ATCC 25922)	>8
<i>Escherichia coli</i> (Basal amp(C))	2
<i>Escherichia coli</i> (C921-61)	16
<i>Escherichia coli</i> (DH5α + pBC-OXA-46)	64
<i>Escherichia coli</i> (DH5α + pBC-SK)	4
<i>Escherichia coli</i> (Hyperproducing amp(C))	16
<i>Escherichia coli</i> (K-10)	32
<i>Escherichia coli</i> (K-12)	16
<i>Escherichia coli</i> (K-12)	25
<i>Escherichia coli</i> (N43 + acr(A))	4
<i>Escherichia coli</i> (N818 + acr(A))	16
<i>Escherichia coli</i> (NCTC 10418)	2
<i>Escherichia coli</i> (NIHJ JC-1)	12.5
<i>Escherichia coli</i> (Umezawa)	6.25
<i>Escherichia coli</i> (W4573 + parent)	2
<i>Fusobacterium necrophorum</i>	0.3 – 18.8
<i>Klebsiella pneumonia</i> (DT)	6.25
<i>Klebsiella pneumonia</i> (SHV-1)	64
<i>Klebsiella pneumonia</i> (β-lactamase negative)	2
<i>Morganella morganii</i> (Hyperproducing amp(C))	32
<i>Morganella morganii</i> (Inducible amp(C))	1
<i>Nocardia asteroides</i>	50 – ≥400
<i>Proteus mirabilis</i> (IFO 12255)	1.56
<i>Proteus mirabilis</i> (IFO 3849)	3.13
<i>Proteus morganii</i> (IFO 3168)	6.25
<i>Proteus morganii</i> (IFO 3848)	0.78
<i>Proteus vulgaris</i> (Hyperproducing amp(C))	32
<i>Proteus vulgaris</i> (IFO 3851)	6.25
<i>Proteus vulgaris</i> (IFO 3988)	1.56
<i>Proteus vulgaris</i> (Inducible amp(C))	4
<i>Proteus vulgaris</i> (OX-19)	50
<i>Proteus vulgaris</i> (OX-K)	1.56
<i>Pseudomonas acidovorans</i>	128 - 256
<i>Pseudomonas aeruginosa</i> (ATCC 27853)	31
<i>Pseudomonas aeruginosa</i> (D363 + pH 6.0)	25
<i>Pseudomonas aeruginosa</i> (D363 + pH 7.0)	50

Microorganism Genus, Species, and Strain (if shown)

Microorganism Genus, Species, and Strain (if shown)	Concentration Range ($\mu\text{g/ml}$)
<i>Pseudomonas aeruginosa</i> (D363 + pH 8.0)	100
<i>Pseudomonas aeruginosa</i> (D363 + pH 9.0)	100
<i>Pseudomonas aeruginosa</i> (D363)	50
<i>Pseudomonas aeruginosa</i> (DK101 + streptomycin-resistant + gentamicin-resistant: opr(D))	64
<i>Pseudomonas aeruginosa</i> (F4980)	256
<i>Pseudomonas aeruginosa</i> (F66336)	256
<i>Pseudomonas aeruginosa</i> (GN-3007-T)	200
<i>Pseudomonas aeruginosa</i> (GN-3310-T)	200
<i>Pseudomonas aeruginosa</i> (GN-3324-T)	200
<i>Pseudomonas aeruginosa</i> (GN-3325-T)	200
<i>Pseudomonas aeruginosa</i> (GN-3327-T)	200
<i>Pseudomonas aeruginosa</i> (GN-3333-T)	200
<i>Pseudomonas aeruginosa</i> (GN-3338-T)	400
<i>Pseudomonas aeruginosa</i> (GN-3363-T)	50
<i>Pseudomonas aeruginosa</i> (GN-3365-T)	100
<i>Pseudomonas aeruginosa</i> (H4563)	>1024
<i>Pseudomonas aeruginosa</i> (LESB58)	256
<i>Pseudomonas aeruginosa</i> (M18)	256
<i>Pseudomonas aeruginosa</i> (M22152)	>1024
<i>Pseudomonas aeruginosa</i> (M37310)	1024
<i>Pseudomonas aeruginosa</i> (M38100A)	16
<i>Pseudomonas aeruginosa</i> (M38100B)	1024
<i>Pseudomonas aeruginosa</i> (N18)	3.13
<i>Pseudomonas aeruginosa</i> (NCTC 10662)	32
<i>Pseudomonas aeruginosa</i> (P8)	100
<i>Pseudomonas aeruginosa</i> (PAO1)	64
<i>Pseudomonas aeruginosa</i> (SP)	50
<i>Pseudomonas aeruginosa</i> (T15464)	>1024
<i>Pseudomonas aeruginosa</i> (T2095)	256
<i>Pseudomonas aeruginosa</i> (T5177)	>1024
<i>Pseudomonas aeruginosa</i> (T6268)	16
<i>Pseudomonas aeruginosa</i> (U31 + pH 6.0)	100
<i>Pseudomonas aeruginosa</i> (U31 + pH 7.0)	100
<i>Pseudomonas aeruginosa</i> (U31 + pH 8.0)	200
<i>Pseudomonas aeruginosa</i> (U31 + pH 9.0)	200
<i>Pseudomonas cepacia</i>	32 - 512
<i>Pseudomonas diminuta</i>	23408
<i>Pseudomonas fluorescens</i>	>32 - >152
<i>Pseudomonas maltophilia</i>	16 - 256
<i>Pseudomonas paucimobilis</i>	2 - 64
<i>Pseudomonas pseudoalcaligenes</i>	2 - 64
<i>Pseudomonas putida</i>	>152 - >512
<i>Pseudomonas putrefaciens</i>	2 - 64
<i>Pseudomonas stutzeri</i>	2 - 64
<i>Salmonella hirschfeldii</i>	12.5
<i>Salmonella Paratyphi</i> (A)	50
<i>Salmonella schottmuelleri</i> (Watson)	6.25
<i>Salmonella typhi</i> (Boxhill-58)	6.25
<i>Salmonella typhi</i> (Watson)	6.25
<i>Salmonella typhimurium</i>	12.5
<i>Salmonella typhimurium</i> (LT2)	8
<i>Serratia marcescens</i> (Hyperproducing amp(C))	32
<i>Serratia marcescens</i> (Inducible amp(C))	4
<i>Shigella dysenteriae</i> (EW-1)	3.13
<i>Shigella flexneri</i> (EW-10)	12.5
<i>Shigella flexneri</i> (EW-40)	12.5
<i>Shigella sonnei</i> (EW-33)	3.13
<i>Staphylococcus aureus</i> (1840 + penicillin-resistant)	12.5
<i>Staphylococcus aureus</i> (308 A-1)	0.78
<i>Staphylococcus aureus</i> (ATCC 25923)	1
<i>Staphylococcus aureus</i> (ATCC 35556)	1
<i>Staphylococcus aureus</i> (ATCC 6571)	0.5
<i>Staphylococcus aureus</i> (FDA 209P + pH 6.0)	0.39
<i>Staphylococcus aureus</i> (FDA 209P + pH 7.0)	0.39
<i>Staphylococcus aureus</i> (FDA 209P + pH 8.0)	0.78
<i>Staphylococcus aureus</i> (FDA 209P + pH 9.0)	0.78
<i>Staphylococcus aureus</i> (FDA 209P)	0.39
<i>Staphylococcus aureus</i> (MU50)	512
<i>Staphylococcus aureus</i> (N315)	32
<i>Staphylococcus aureus</i> (T15)	3.13
<i>Staphylococcus aureus</i> (T20)	3.13
<i>Staphylococcus aureus</i> (T3)	0.78

Microorganism Genus, Species, and Strain (if shown)

	Concentration Range (µg/ml)
<i>Staphylococcus aureus</i> (T30)	0.78
<i>Staphylococcus aureus</i> (T32)	6.25
<i>Staphylococcus aureus</i> (T62)	3.13
<i>Staphylococcus aureus</i> (T63)	3.13
<i>Staphylococcus aureus</i> (T69)	3.13
<i>Staphylococcus aureus</i> (T78)	6.25
<i>Staphylococcus aureus</i> (T88)	3.13
<i>Stenotrophomonas maltophilia</i>	32 – >512
<i>Streptococcus mitior</i> (North America)	1.56
<i>Streptococcus pneumonia</i> (type I)	0.39
<i>Streptococcus pneumonia</i> (type II)	0.2
<i>Streptococcus pneumonia</i> (type III)	0.2
<i>Streptococcus pyogenes</i> (Dick)	0.2
<i>Streptococcus pyogenes</i> (E-14)	0.2
<i>Streptococcus pyogenes</i> (NY-5)	0.2
<i>Streptococcus pyogenes</i> (S-8)	0.2
<i>Vibrio cholerae</i> (Inaba)	3.13

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.