Table 2 In vitro activity of linezolid against Corynebacterium, Anaerobe and other pathogens (MIC, μg/mL).

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Organism** | **N** | **MIC range** | **MIC50** | **MIC90** | **Reference** |  | **Organism** | **N** | **MIC range** | **MIC50** | **MIC90** | **Reference** |
| ***Corynebacterium***  *Corynebacterium spp.* | 48 | 0.12-1 | 0.25 | 0.5 | *(Jones et al., 2002)* |  |  | 19 | ≤ 0.5 | ≤ 0.5 | ≤ 0.5 | *(Johnson et al., 2003)* |
|  | 34 |  | 0.25 | 0.5 | *(Mendes et al., 2015)* |  |  | 76 | ≤ 1 | ≤ 1 | ≤ 1 | *(Neemuchwala et al., 2018)* |
|  | 10 | 0.125-0.5 | 0.25 | 0.5 | *(Goldstein et al., 2004)* |  |  | 4 |  | 1 | 2 | *(Sun et al., 2022)* |
|  | 50 | 0.12-2 | 0.5 | 1 | *(Ract et al., 2017)* |  | *C. striatum* | 55 | ≤ 0.063-2 | 0.125 | 0.25 | *(Barberis et al., 2018)* |
|  | 20 | 1-8 | 2 | 8 | *(Goldstein et al., 2006)* |  |  | 30 | ≤ 0.12-1 | 0.25 | 0.5 | *(Gómez-Garcés et al., 2007)* |
| *C. amycolatum* | 35 | 0.063-1 | 0.25 | 1 | *(Barberis et al., 2018)* |  |  | 11 | 0.125-0.75 | 0.38 | 0.5 | *(Fernandez-Roblas et al., 2009)* |
|  | 33 | 0.064-0.25 | 0.19 | 0.25 | *(Fernandez-Roblas et al., 2009)* |  |  | 5 | 0.5 |  |  | *(Johnson et al., 2003)* |
|  | 58 | ≤ 0.1-2 | 0.2 | 0.2 | *(Sánchez Hernández et al., 2003)* |  |  | 124 | ≤ 0.5-0.5 | ≤ 0.5 | ≤ 0.5 | *(Abe et al., 2021)* |
|  | 60 | ≤ 0.12-0.5 | 0.25 | 0.25 | *(Gómez-Garcés et al., 2007)* |  |  | 931 | ≤ 1 | ≤ 1 | ≤ 1 | *(Neemuchwala et al., 2018)* |
|  | 20 | 0.25-0.5 | 0.5 | 0.5 | *(Goldstein et al., 2006)* |  |  | 410 | ≤ 2 | <0.5 | <0.5 | *(Wang et al., 2021)* |
|  | 10 | 0.25-0.5 | 0.5 | 0.5 | *(Goldstein et al., 2004)* |  |  | 15 |  | 0.5 | 0.5 | *(Sun et al., 2022)* |
|  | 5 | 0.4-4 |  |  | *(Johnson et al., 2003)* |  |  | 7 |  |  | 0.12-0.25 | *(Nhan et al., 2012)* |
|  | 1 | ≤ 0.5 |  |  | *(Abe et al., 2021)* |  | *C. urealyticum* | 40 | 0.015-256 | 0.75 | 1 | *(Chapartegui-González et al., 2020)* |
|  | 190 | ≤ 1 | ≤ 1 | ≤ 1 | *(Neemuchwala et al., 2018)* |  |  | 34 | 0.064-0.5 | 0.19 | 0.38 | *(Fernandez-Roblas et al., 2009)* |
|  | 5 |  | 1 | 1 | *(Sun et al., 2022)* |  |  | 10 | 0.25-1 | 0.5 | 0.5 | *(Gómez-Garcés et al., 2007)* |
| *C. jeikeium* | 25 | 0.064-0.38 | 0.25 | 0.5 | *(Fernandez-Roblas et al., 2009)* |  |  | 64 | 0.5-1 | 0.5 | 0.5 | *(Sánchez Hernández et al., 2003)* |
|  | 30 | ≤ 0.12-1 | 0.5 | 0.5 | *(Gómez-Garcés et al., 2007)* |  |  | 52 | ≤ 1 | ≤ 1 | ≤ 1 | *(Neemuchwala et al., 2018)* |
|  | 31 | 0.2-1 | 1 | 1 | *(Sánchez Hernández et al., 2003)* |  |  | 8 |  | 0.12 | 1 | *(Sun et al., 2022)* |
|  | 11 | 0.5-0.5 | 0.5 | 0.5 | *(Goldstein et al., 2004)* |  |  |  |  |  |  |  |
|  | 72 | 0.5-2 |  |  | *(Johnson et al., 2003)* |  |  |  |  |  |  |  |
| **Organism** | **N** | **MIC range** | **MIC50** | **MIC90** | **Reference** |  | **Organism** | **N** | **MIC range** | **MIC50** | **MIC90** | **Reference** |
| ***Anaerobes***  *Clostridium spp.* | 20 | ≤0.06-4 | 2 | 4 | *(Behra-Miellet et al., 2003)* |  | *Actinomyces spp.* | 22 | 0.5-8 | 0.5 | 0.5 | *(Citron et al., 2003)* |
|  | 38 | 0.25 -16 | 2 | 4 | *(Wybo et al., 2014)* |  | *Actinomyces israelii* | 13 | 0.25-16 | 0.5 | 16 | *(Goldstein et al., 2005)* |
|  | 25 | 0.25-4 | 1 | 4 | *(Citron et al., 2003)* |  |  | 13 | 0.25-16 | 0.5 | 16 | *(Goldstein et al., 2004)* |
|  | 10 | 1-4 | 2 | 4 | *(Mathur et al., 2011)* |  | *Propionibacterium spp.* | 52 | 0.12-2 | 0.5 | 1 | *(Ract et al., 2017)* |
|  | 4 | 2-4 |  |  | *(Lee et al., 2015)* |  |  | 13 | 0.25-0.5 | 0.5 | 0.5 | *(Behra-Miellet et al., 2003)* |
|  | 20 | 1-8 | 2 | 8 | *(Goldstein et al., 2006)* |  |  | 15 | 0.25-1 | 5 | 1 | *(Citron et al., 2003)* |
| *Clostridium difficile* | 114 | 0.125-8 | 2 | 4 | *(Rashid et al., 2014)* |  | *Propionibacterium acnes* | 10 | 0.25-0.5 | 0.5 | 0.5 | *(Mathur et al., 2011)* |
|  | 94 | 0.5-4 | 2 | 2 | *(Phillips et al., 2003)* |  |  | 10 | 0.25-0.5 | 0.5 | 0.5 | *(Goldstein et al., 2005)* |
|  | 15 | 0.5-4 | 2 | 2 | *(Yong et al., 2004)* |  |  | 16 | 0.25-0.5 | 0.5 | 0.5 | *(Ednie et al., 2002)* |
|  | 12 | 1-2 | 2 | 2 | *(Ednie et al., 2002)* |  |  | 12 | 0.25-0.5 | 0.5 | 0.5 | *(Goldstein et al., 2004)* |
|  | 18 | 2-16 | 2 | 16 | *(Citron et al., 2003)* |  |  | 30 | 0.25-1 | 0.5 | 0.5 | *(Edlund et al., 1999)* |
|  | 50 | 2-16 | 4 | 8 | *(Mathur et al., 2011)* |  |  | 304 | 0.25-2 | 0.5 | 1 | *(Oprica & Nord, 2005)* |
|  | 10 | 2-2 | 2 | 2 | *(Goldstein et al., 2020)* |  | *Lactobacillus spp.* | 37 | 0.5-16 | 4 | 8 | *(Citron et al., 2003)* |
|  | 14 | 2-8 | 2 | 8 | *(Goldstein et al., 2005)* |  |  | 16 | 1-8 | 4 | 8 | *(Goldstein et al., 2004)* |
|  | 14 | 2-8 | 2 | 8 | *(Goldstein et al., 2004)* |  |  | 16 | 1-8 | 4 | 8 | *(Goldstein et al., 2005)* |
| *Clostridium perfringens* | 20 | 1-2 | 2 | 2 | *(Ednie et al., 2002)* |  | *Eubacterium group* | 13 | 0.5-2 | 2 | 2 | *(Goldstein et al., 2005)* |
|  | 15 | 1-2 | 2 | 2 | *(Yum et al., 2010)* |  |  | 13 | 0.5-2 | 2 | 2 | *(Goldstein et al., 2004)* |
|  | 50 | 1-4 | 2 | 2 | *(Edlund et al., 1999)* |  |  | 31 | 0.06-8 | 1 | 8 | *(Citron et al., 2003)* |
|  | 11 | 1-4 | 2 | 2 | *(Citron et al., 2003)* |  | *Eubacterium lentum* | 10 | 0.5-2 | 2 | 2 | *(Goldstein et al., 2004)* |
|  | 10 | 1-16 | 2 | 2 | *(Goldstein et al., 2020)* |  |  | 9 | 1-2 | 2 |  | *(Goldstein et al., 2005)* |
|  | 12 | 2 | 2 | 2 | *(Goldstein et al., 2005)* |  |  | 17 | 1-2 | 1 | 2 | *(Citron et al., 2003)* |
|  | 17 | 2 | 2 | 2 | *(Yong et al., 2004)* |  | *Peptostreptococcus spp.* | 59 | 0.25-2 | 0.5 | 1 | *(Yum et al., 2010)* |
|  | 12 | 2-2 | 2 | 2 | *(Goldstein et al., 2004)* |  |  | 13 | 0.5-16 | 1 | 2 | *(Citron et al., 2003)* |
| **Organism** | **N** | **MIC range** | **MIC50** | **MIC90** | **Reference** |  | **Organism** | **N** | **MIC range** | **MIC50** | **MIC90** | **Reference** |
|  | 27 | 0.5-2 | 1 | 2 | *(Lee et al., 2015)* |  | *Porphyromonas spp.* | 6 | ≤0.06-1 |  |  | *(Behra-Miellet et al., 2003)* |
|  | 10 | 0.5-2 | 1 | 2 | *(Goldstein et al., 1999)* |  |  | 10 | 0.5-0.4 | 1 | 2 | *(Goldstein et al., 2020)* |
|  | 75 | 0.5-2.0 | 1 | 2 | *(Ednie et al., 2002)* |  |  | 25 | 0.25-2 | 1 | 2 | *(Goldstein et al., 1999)* |
|  | 27 | 0.5-4 | 1 | 4 | *(Phillips et al., 2003)* |  |  | 23 | 0.5-2 | 1 | 2 | *(Molitoris et al., 2006)* |
|  | 56 | 0.5-8 | 1 | 2 | *(Yong et al., 2004)* |  | *Fusobacterium spp.* | 21 | ≤0.06-2 | 0.5 | 1 | *(Behra-Miellet et al., 2003)* |
|  | 15 | 0.5-8 | 2 | 4 | *(Mathur et al., 2011)* |  |  | 21 | 0.064-8 | 0.25 | 1 | *(Wybo et al., 2014)* |
| *Bacteroides spp.* | 30 | 2-16 | 4 | 8 | *(Mathur et al., 2011)* |  |  | 10 | 0.25-0.5 | 0.5 | 0.5 | *(Goldstein et al., 2020)* |
| *Bacteroides fragilis* | 455 | ≤0.5-8 | 2 | 4 | *(Snydman et al., 2017)* |  |  | 24 | 0.25-2 | 0.5 | 2 | *(Ednie et al., 2002)* |
|  | 69 | 1-16 | 2 | 4 | *(Wybo et al., 2014)* |  |  | 6 | 2 | 2 | 2 | *(Phillips et al., 2003)* |
|  | 46 | 2-16 | 4 | 4 | *(Goldstein et al., 2020)* |  |  | 10 | 0.125-1 | 0.5 | 0.5 | *(Goldstein et al., 1999)* |
|  | 57 | 2-16 | 4 | 4 | *(Goldstein et al., 2017)* |  |  | 35 | 0.25-2 | 0.5 | 1 | *(Molitoris et al., 2006)* |
|  | 57 | 2-4 | 4 | 4 | *(Phillips et al., 2003)* |  | *Veillonella spp.* | 5 | ≤0.06-0.5 |  |  | *(Behra-Miellet et al., 2003)* |
|  | 52 | 2-4 | 4 | 4 | *(Behra-Miellet et al., 2003)* |  |  | 10 | 2-8 | 2 | 4 | *(Goldstein et al., 2020)* |
|  | 30 | 2-4 | 4 | 4 | *(Yum et al., 2010)* |  | ***Others***  *Listeria monocytogenes* | 6 | 0.5-2 | 1 | 2 | *(Yu et al., 2021)* |
|  | 41 | 2-8 | 4 | 4 | *(Molitoris et al., 2006)* |  |  | 60 | 0.75-1.5 |  | 1 | *(Callapina et al., 2001)* |
|  | 34 | 4 | 4 | 4 | *(Yong et al., 2004)* |  | *Listeria spp.* | 27 | 2 | 2 | 2 | *(Jones et al., 2002)* |
|  | 10 | 4-8 | 4 | 4 | *(Ednie et al., 2002)* |  |  | 24 |  | 1 | 2 | *(Mendes et al., 2015)* |
| *Prevotella spp.* | 44 | ≤0.06-8 | 2 | 4 | *(Behra-Miellet et al., 2003)* |  | *Rhodococcus equi* | 103 | 0.5-2 | 2 | 2 | *(Bowersock et al., 2000)* |
|  | 12 | 0.25-2 | 0.5 | 1 | *(Citron et al., 2003)* |  |  | 12 | 0.5-2 | 0.5 |  | *(Giacometti et al., 2005)* |
|  | 10 | 1-8 | 4 | 8 | *(Mathur et al., 2011)* |  |  | 70 | ≤1 | ≤1 | ≤1 | *(Erol et al., 2021)* |
|  | 28 | 0.25-4 | 1 | 4 | *(Molitoris et al., 2006)* |  | *Micrococcus spp.* | 11 |  | 0.5 | 0.5 | *(Mendes et al., 2015)* |
|  | 15 | 1-2 | 2 | 2 | *(Goldstein et al., 1999)* |  |  | 11 | 1 | 1 | 0.5-1 | *(Jones et al., 2002)* |

Abbreviations: N, number of strains; MIC, minimum inhibitory concentration

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