



Test Update 749

Posted Date 02/10/2021
Effective Date 03/10/2021
Update Type [Reference range changed](#)
CPT Code 87186

Antimicrobial Susceptibility, *Nocardia* species

Order Code: MMLNS
CPT Code: 87186
Reference Laboratory: Mayo Medical Laboratory

Effective March 10, 2021, MLabs will be changing the antimicrobial drug concentration associated with the Antimicrobial Susceptibility, *Nocardia* species (MMLNS) test to align with the current Clinical and Laboratory Standards Institute recommendation per Mayo Medical Laboratories. See below.

Current Reference Range

Antimicrobial Agent	Concentration range mcg/mL	Interpretations		
		S	I	R
Amikacin	1-64	≤ 8	---	≥ 16
Amoxicillin/ clavulanate	2/1-128/64	≤ 8/4	16/8	≥ 32/16
Ceftriaxone	4-64	≤ 8	16-32	≥ 64
Ciprofloxacin	0.12-4	≤ 1	2	≥ 4
Clarithromycin	0.06-16	≤ 2	4	≥ 8
Doxycycline	0.12-16	≤ 1	2-4	≥ 8
Imipenem	2-64	≤ 4	8	≥ 16
Linezolid	1-32	≤ 8	---	---

Minocycline	1-8	≤ 1	2-4	≥ 8
Moxifloxacin	0.25-8	≤ 1	2	≥ 4
Tobramycin	1-16	≤ 4	8	≥ 16
Trimethoprim/ Sulfamethoxazole	0.25/4.75-8/152	≤ 2/38	---	≥ 4/76

New Reference Range

Antimicrobial Agent	Concentration range mcg/mL	Interpretations		
		S	I	R
Amikacin	0.5-32	≤ 8	---	≥ 16
Amoxicillin/ clavulanate	2/1-128/64	≤ 8/4	16/8	≥ 32/16
Ceftriaxone	1-64	≤ 8	16-32	≥ 64
Ciprofloxacin	0.12-16	≤ 1	2	≥ 4
Clarithromycin	0.03-16	≤ 2	4	≥ 8
Doxycycline	0.12-16	≤ 1	2-4	≥ 8
Imipenem	0.12-32	≤ 4	8	≥ 16
Linezolid	0.5-16	≤ 8	---	---
Minocycline	0.06-16	≤ 1	2-4	≥ 8
Moxifloxacin	0.015-8	≤ 1	2	≥ 4
Tobramycin	2-64	≤ 4	8	≥ 16
Trimethoprim/ Sulfamethoxazole	0.06/1.19-8/152	≤ 2/38	---	≥ 4/76

For *Rhodococcus equi* only

Rifabutin	0.5-2	≤1	2	≥ 4
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Vancomycin

0.5-16

≤ 2

4-8 ≥ 16

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