



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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