MAYO
Mayo Medical Laboratories
1-800-533-1710

NEW TEST ANNOUNCEMENT
NOTIFICATION DATE: March 4, 2013
EFFECTIVE DATE: March 11, 2013

ANTIMICROBIAL SUSCEPTIBILITY, ACID-FAST BACILLI, SLOWLY GROWING

Test ID: MMLSG

USEFUL FOR: Determination of resistance of slowly growing mycobacteria to antimicrobial agents.

METHODOLOGY: Minimum Inhibitory Concentration (MIC) by Microtiter broth dilution method

TESTING ALGORITHM: When this test is ordered, the bill only reflex test RSLG will always be performed and charged.

REFERENCE VALUES: Interpretative criteria for antimicrobial agents tested will be provided.

Interpretive Criteria for *Mycobacterium avium-intracellulare* complex			
Antimicrobial agent	MIC (mcg/mL) for each interpretation		
	S	I	R
Clarithromycin	< or =8	16	> or =32
Linezolid	< or =8	16	> or =32
Moxifloxacin	< or =1	2	> or =4
Amikacin	No Interpretations available		
Ciprofloxacin	No Interpretations available		
Ethambutol	No Interpretations available		
Ethionamide	No Interpretations available		
Rifabutin	No Interpretations available		
Rifampin	No Interpretations available		
Streptomycin	No Interpretations available		

Interpretative criteria for *Mycobacterium kansasii* and other slowly growing mycobacteria		
Antimicrobial agent	MIC (mcg/mL) for each interpretation	
	S	R
Amikacin	< or =32	>32
Ciprofloxacin	< or =2	>2
Clarithromycin	< or =16	>16
Ethambutol	< or =4	>4
Isoniazid	No Interpretations available	
Linezolid	< or =16	>16
Moxifloxacin	< or =2	>2
Rifabutin	< or =2	>2
Rifampin	< or =1	>1
Streptomycin	No Interpretations available	
Trimethoprim/ Sulfamethoxazole	< or =2/38	>2/38

Interpretative criteria for *Mycobacterium marinum*		
Antimicrobial agent	MIC (mcg/mL) for each interpretation	
	S	R
Amikacin	< or =32	>32
Ciprofloxacin	< or =2	>2
Clarithromycin	< or =16	>16
Doxycycline	< or =4	>4
Ethambutol	< or =4	>4
Moxifloxacin	< or =2	>2
Rifabutin	< or =2	>2
Rifampin	< or =1	>1
Trimethoprim/ Sulfamethoxazole	< or =2/38	>2/38

SPECIMEN REQUIREMENTS:
Specimen Type: Organism
Container/Tube: Middlebrook 7H10 agar slant or other appropriate media
Specimen Volume: Isolate
Collection Instructions:
1. Organism must be in pure culture, actively growing.
2. Place specimen in a large infectious container (Supply T146) and label as an etiologic agent.
NOTE: Specimen source and organism identification are required.

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Varies	Ambient (preferred)	
	Refrigerated	

CPT CODE: 87186

DAY(S) SET UP: Varies

ANALYTIC TIME: Varies/12-35 days

NOTE: The following referral test codes will become obsolete.

Test Name	Test ID	Referral Lab Code	Referral Lab
Mycobacterium marinum	ZW191	04	University of Texas Health Center at Tyler Microbiology
Mycobacterium avium complex	ZW191	05	University of Texas Health Center at Tyler Microbiology
Mycobacterium kansasii	ZW191	06	University of Texas Health Center at Tyler Microbiology
Other slowly growing nontuberculous mycobacteria	FSGMS	07	University of Texas Health Center at Tyler Microbiology
Mycobacterium MIC 8 drug and combination	FMIC8	NTM1	National Jewish Health Mycobacteriology Laboratory
Mycobacterium MIC 12 drug and combination	FMIC12	NTM2	National Jewish Health Mycobacteriology Laboratory