CDC Model Performance Evaluation Program (MPEP) for *Mycobacterium tuberculosis* Drug Susceptibility Testing

Attachment 8

Survey Instrument Web Shots

Drug Susceptibility Test Results for *M. tuberculosis* Complex Isolates from the

CDC Model Performance Evaluation Program

Instructions

- **A separate survey should be completed for each conventional drug susceptibility test method used** (i.e., one for MGIT, one for agar proportion, and one for Sensititre).
  - Please do not combine separate methods in one submission.
- Molecular results, if performed, should only be entered with the first survey completed.
- All results for a survey must be entered at one time.
- For questions or comments, contact TBMPEP@cdc.gov

Enter MPEP number *

[   ]

Name of person completing form *

[   ]

Title *

[   ]

Email

[   ]

Please indicate the primary classification of your laboratory *

○ Hospital

○ Health Department (e.g. local, county, state)

○ Independent/Reference (non-hospital based)

○ Federal

○ Other:

[   ]

On what date were the MPEP cultures received in your laboratory? *

[∨] [∨] [∨] ▦

What was the condition of the cultures in the panel when they arrived? *

○ Satisfactory

○ Broken

○ Other:

[   ]

In the last calendar year (January 1 -December 31, 2017), how many isolates of M. tuberculosis complex (MTBC) did your laboratory test for drug susceptibilities? (Please exclude quality control isolates) *

[   ]

What method was used in your laboratory to perform conventional drug susceptibility testing on MTBC isolates in this shipment? (Only one method can be selected. If multiple methods performed, please complete one survey per method) *

- ○ Agar Proportion (Middlebrook 7H10 or 7H11)
- ○ MGIT system
- ○ TREK Sensititre
- ○ VersaTrek Myco
- ○ Other:

[   ]

If you use Middlebrook 7H10 or 7H11 for MTBC drug susceptibility testing, your media is: (Select all that apply) *

- ☐ Purchased "commercially-prepared" containing antituberculosis drugs
- ☐ Prepared in-house with disks containing antituberculosis drugs
- ☐ Prepared in-house by reconstituting and adding antituberculosis drugs
- ☐ Not Applicable - We do not use Middlebrook media

Isolate 2018A

Please enter your conventional drug susceptibility results for Isolate 2018A *

	Resistant	Susceptible	Borderline	Contaminated	No Growth	Not Done
Rifampin	○	○	○	○	○	◉
Isoniazid low	○	○	○	○	○	◉
Isoniazid high	○	○	○	○	○	◉
Ethambutol	○	○	○	○	○	◉
Pyrazinamide	○	○	○	○	○	◉
Streptomycin	○	○	○	○	○	◉
Ofloxacin	○	○	○	○	○	◉
Ciprofloxacin	○	○	○	○	○	◉
Moxifloxacin	○	○	○	○	○	◉
Levofloxacin	○	○	○	○	○	◉
Amikacin	○	○	○	○	○	◉
Kanamycin	○	○	○	○	○	◉
Capreomycin	○	○	○	○	○	◉
Ethionamide	○	○	○	○	○	◉
Rifabutin	○	○	○	○	○	◉
Cycloserine	○	○	○	○	○	◉
Para-Amino Salicyclic Acid	○	○	○	○	○	◉

Comments

Please select the molecular method used for drug susceptibility testing for Isolate 2018A *

Xpert MTB/RIF (Cepheid) ⌄

Enter your molecular results for Isolate 2018A *

	Mutation Detected	Mutation Not Detected	No Results	Not Done
Rifampin	◯	◯	◯	◉
Isoniazid	◯	◯	◯	◉
Ethambutol	◯	◯	◯	◉
Pyrazinamide	◯	◯	◯	◉
Ofloxacin	◯	◯	◯	◉
Ciprofloxacin	◯	◯	◯	◉
Moxifloxacin	◯	◯	◯	◉
Levofloxacin	◯	◯	◯	◉
Amikacin	◯	◯	◯	◉
Kanamycin	◯	◯	◯	◉
Capreomycin	◯	◯	◯	◉
Ethionamide	◯	◯	◯	◉
Rifabutin	◯	◯	◯	◉

Specific mutation(s) detected or additional comments

Isolate 2018B

Please enter your conventional drug susceptibility results for Isolate 2018B *

	Resistant	Susceptible	Borderline	Contaminated	No Growth	Not Done
Rifampin	○	○	○	○	○	◉
Isoniazid low	○	○	○	○	○	◉
Isoniazid high	○	○	○	○	○	◉
Ethambutol	○	○	○	○	○	◉
Pyrazinamide	○	○	○	○	○	◉
Streptomycin	○	○	○	○	○	◉
Ofloxacin	○	○	○	○	○	◉
Ciprofloxacin	○	○	○	○	○	◉
Moxifloxacin	○	○	○	○	○	◉
Levofloxacin	○	○	○	○	○	◉
Amikacin	○	○	○	○	○	◉
Kanamycin	○	○	○	○	○	◉
Capreomycin	○	○	○	○	○	◉
Ethionamide	○	○	○	○	○	◉
Rifabutin	○	○	○	○	○	◉
Cycloserine	○	○	○	○	○	◉
Para-Amino Salicyclic Acid	○	○	○	○	○	◉

Comments

Did your laboratory perform any detection of drug resistance using a molecular method for Isolate 2018B? *

◉ Yes
○ No

Please select the molecular method used for drug susceptibility testing for Isolate 2018B *

Xpert MTB/RIF (Cepheid) ▾

Enter your molecular results for Isolate 2018B

	Mutation Detected	Mutation Not Detected	No Results	Not Done
Rifampin	○	○	○	◉
Isoniazid	○	○	○	◉
Ethambutol	○	○	○	◉
Pyrazinamide	○	○	○	◉
Ofloxacin	○	○	○	◉
Ciprofloxacin	○	○	○	◉
Moxifloxacin	○	○	○	◉
Levofloxacin	○	○	○	◉
Amikacin	○	○	○	◉
Kanamycin	○	○	○	◉
Capreomycin	○	○	○	◉
Ethionamide	○	○	○	◉
Rifabutin	○	○	○	◉

Specific mutation(s) detected or additional comments

Isolate 2018C

Please enter your conventional drug susceptibility results for Isolate 2018C *

	Resistant	Susceptible	Borderline	Contaminated	No Growth	Not Done
Rifampin	○	○	○	○	○	◉
Isoniazid low	○	○	○	○	○	◉
Isoniazid high	○	○	○	○	○	◉
Ethambutol	○	○	○	○	○	◉
Pyrazinamide	○	○	○	○	○	◉
Streptomycin	○	○	○	○	○	◉
Ofloxacin	○	○	○	○	○	◉
Ciprofloxacin	○	○	○	○	○	◉
Moxifloxacin	○	○	○	○	○	◉
Levofloxacin	○	○	○	○	○	◉
Amikacin	○	○	○	○	○	◉
Kanamycin	○	○	○	○	○	◉
Capreomycin	○	○	○	○	○	◉
Ethionamide	○	○	○	○	○	◉
Rifabutin	○	○	○	○	○	◉
Cycloserine	○	○	○	○	○	◉
Para-Amino Salicyclic Acid	○	○	○	○	○	◉

Comments

◉ Yes
○ No

Please select the molecular method used for drug susceptibility testing for Isolate 2018C *

Xpert MTB/RIF (Cepheid) ⌄

Enter your molecular results for Isolate 2018C *

	Mutation Detected	Mutation Not Detected	No Results	Not Done
Rifampin	○	○	○	◉
Isoniazid	○	○	○	◉
Ethambutol	○	○	○	◉
Pyrazinamide	○	○	○	◉
Ofloxacin	○	○	○	◉
Ciprofloxacin	○	○	○	◉
Moxifloxacin	○	○	○	◉
Levofloxacin	○	○	○	◉
Amikacin	○	○	○	◉
Kanamycin	○	○	○	◉
Capreomycin	○	○	○	◉
Ethionamide	○	○	○	◉
Rifabutin	○	○	○	◉

Specific mutation(s) detected or additional comments

Isolate 2018D

Please enter your conventional drug susceptibility results for Isolate 2018D*

	Resistant	Susceptible	Borderline	Contaminated	No Growth	Not Done
Rifampin	○	○	○	○	○	◉
Isoniazid low	○	○	○	○	○	◉
Isoniazid high	○	○	○	○	○	◉
Ethambutol	○	○	○	○	○	◉
Pyrazinamide	○	○	○	○	○	◉
Streptomycin	○	○	○	○	○	◉
Ofloxacin	○	○	○	○	○	◉
Ciprofloxacin	○	○	○	○	○	◉
Moxifloxacin	○	○	○	○	○	◉
Levofloxacin	○	○	○	○	○	◉
Amikacin	○	○	○	○	○	◉
Kanamycin	○	○	○	○	○	◉
Capreomycin	○	○	○	○	○	◉
Ethionamide	○	○	○	○	○	◉
Rifabutin	○	○	○	○	○	◉
Cycloserine	○	○	○	○	○	◉
Para-Amino Salicyclic Acid	○	○	○	○	○	◉

Comments

Please select the molecular method used for drug susceptibility testing for Isolate 2018D *

Xpert MTB/RIF (Cepheid) ⌄

Enter your molecular results for Isolate 2018D

	Mutation Detected	Mutation Not Detected	No Results	Not Done
Rifampin	◯	◯	◯	⦿
Isoniazid	◯	◯	◯	⦿
Ethambutol	◯	◯	◯	⦿
Pyrazinamide	◯	◯	◯	⦿
Ofloxacin	◯	◯	◯	⦿
Ciprofloxacin	◯	◯	◯	⦿
Moxifloxacin	◯	◯	◯	⦿
Levofloxacin	◯	◯	◯	⦿
Amikacin	◯	◯	◯	⦿
Kanamycin	◯	◯	◯	⦿
Capreomycin	◯	◯	◯	⦿
Ethionamide	◯	◯	◯	⦿
Rifabutin	◯	◯	◯	⦿

Specific mutation(s) detected or additional comments

Isolate 2018E

Please enter your conventional drug susceptibility results for Isolate 2018E*

	Resistant	Susceptible	Borderline	Contaminated	No Growth	Not Done
Rifampin	○	○	○	○	○	◉
Isoniazid low	○	○	○	○	○	◉
Isoniazid high	○	○	○	○	○	◉
Ethambutol	○	○	○	○	○	◉
Pyrazinamide	○	○	○	○	○	◉
Streptomycin	○	○	○	○	○	◉
Ofloxacin	○	○	○	○	○	◉
Ciprofloxacin	○	○	○	○	○	◉
Moxifloxacin	○	○	○	○	○	◉
Levofloxacin	○	○	○	○	○	◉
Amikacin	○	○	○	○	○	◉
Kanamycin	○	○	○	○	○	◉
Capreomycin	○	○	○	○	○	◉
Ethionamide	○	○	○	○	○	◉
Rifabutin	○	○	○	○	○	◉
Cycloserine	○	○	○	○	○	◉
Para-Amino Salicyclic Acid	○	○	○	○	○	◉

Comments

Did your laboratory perform any detection of drug resistance using a molecular method for Isolate 2018E? *

- ⦿ Yes
- ◯ No

Please select the molecular method used for drug susceptibility testing for Isolate 2018E *

Xpert MTB/RIF (Cepheid) ⌄

Enter your molecular results for Isolate 2018E *

	Mutation Detected	Mutation Not Detected	No Results	Not Done
Rifampin	◯	◯	◯	⦿
Isoniazid	◯	◯	◯	⦿
Ethambutol	◯	◯	◯	⦿
Pyrazinamide	◯	◯	◯	⦿
Ofloxacin	◯	◯	◯	⦿
Ciprofloxacin	◯	◯	◯	⦿
Moxifloxacin	◯	◯	◯	⦿
Levofloxacin	◯	◯	◯	⦿
Amikacin	◯	◯	◯	⦿
Kanamycin	◯	◯	◯	⦿
Capreomycin	◯	◯	◯	⦿
Ethionamide	◯	◯	◯	⦿
Rifabutin	◯	◯	◯	⦿

Specific mutation(s) detected or additional comments

[   ]

Submit Form