Wyoming TB Genotyping Procedure for Submission of *M. tuberculosis* Isolates

1. **Call the Public Health Laboratory @ 307-777-7431 to report an isolate of *M. tuberculosis* and request a shipping kit for TB genotyping.**

2. **Acceptable Material for Isolate Submission – Must be positive for M. tuberculosis complex**

Portions of culture material from solid medium

1.2 Samples (0.5-1 ml) of broth culture
1.3 Portions (0.5-1 ml) of broth cultures or suspensions prepared for susceptibility testing
1.4 Suspensions (0.5-1 ml) prepared for Acuprobe testing (before lysis)

3. **Unacceptable Material for Isolate Submission**

1.1 Clinical Specimens (e.g., sputum, pleural fluid)
1.2 Sediments from processed clinical specimens, regardless of smear or nucleic acid amplification positivity
1.3 Petri Plates
1.4 Cultures not yet identified as M. tuberculosis complex
1.5 Obviously contaminated or suspected mixed cultures

4. **Place a portion of acceptable material into the screw cap vial with O-ring**

1.1 Label each vial with patient identifier
1.2 Place the vial with absorbent paper into a zip lock biohazard bag
1.3 Place these contents into secondary container
1.4 Place the secondary container into the infectious shipping box

5. **Complete the required submission forms**

1.1 Fill out the Isolate Submission Form completely, making sure that the patient identifier on the tube matches the identifier on the submission form
1.2 Complete the missing sections of the infectious shipping declaration
1.3 A copy of the shipper's declaration should be placed inside the shipping box

6. The cultures should be sent following the Infectious Substance protocol (packing instruction 602) to:

Mycobacteriology and Mycology Section c/o Specimen Receiving
Microbial Diseases Laboratory
California Dept. of Public Health
850 Marina Bay Parkway
Richmond, CA 94804
(510) 412-3781

We ask laboratories submitting cultures to complete and e-mail us an Excel submittal form at the same time the culture is sent. Please don't include the patient name in the form that you e-mail us. After e-mailing the submittal form, you can enter the patient names, print the form, and include it with the package of cultures as a packing list. Please note that one form should be sent with each batch of cultures, not one form for every culture. Cultures must be viable, pure, and identified as M. tuberculosos

complex. Broth in a leak-proof vial or a solid medium culture such as an LJ are acceptable. Petri dishes are not acceptable.

A good phone number for contacting the genotyping lab is (510) 412-6237.

6. Ship the package via Federal Express

1.1 The Fed Ex account number will be provided with this shipment and should only be used for the shipment of TB isolates for genotyping.

1.2 When completely and properly packaged, call Fed Ex for pick-up

1.3 Cultures of *M. tuberculosis* are considered "Infectious Substances" and should be packaged, labeled and shipped according to IATA Packing Instruction 602.
http://www.cdc.gov/od/ohs/biosfty/shipregs.htm
http://wdhfs.state.wy.us/lab/
http://hazmat.dot.gov/pubtrain/infect.pdf