

Title	TB (Mycobacteriology) Isolate Submission Guide
Specimen Requirements	<ol style="list-style-type: none"> 1. Organisms: <i>Mycobacterium tuberculosis</i> complex, <i>Mycobacteria</i> species. 2. Submit a pure culture on appropriate media, such as an LJ slant, 7H10, or MGIT broth. 3. Only one isolate per patient should be submitted. 4. Isolates of MTBC should be submitted within (3) business days of isolation per the ISDH Communicable Disease Rule.
Sampling Materials	Isolate cultured on appropriate type of media (LJ/MGIT/7H10, etc.) in tube with screw-cap tightened.
Procedural Notes	<ol style="list-style-type: none"> 1. Handle all isolates of MTBC, or those suspected of being MTBC, at a biosafety level 3. 2. Label each isolate with a minimum of the patient's name, date of birth, and date of specimen collection, including a minimum of two unique identifiers on the tube. 3. Verify that the expiration date on the media is acceptable and will continue to be acceptable once received at the ISDH laboratory. 4. Complete the LimsNet test request for TB samples, ensuring that the patient information on the sample matches the information on the form. 5. Specimens lacking completed information will not be tested until the missing information has been provided.
Shipping Instructions	<p>Ship to: Indiana State Department of Health Laboratories Attn: TB Lab 550 West 16th Street Suite B Indianapolis, IN 46202</p> <ol style="list-style-type: none"> 1. If an isolate is a known member of the <i>Mycobacterium tuberculosis</i> complex, or is highly suspected to be in this group, then the isolate must be labeled and shipped as a Category A Infectious Substance, and must be packaged in accordance with all federal shipping regulations. 2. Complete the Shippers Declaration for Dangerous Goods Documentation and include at least three copies on the outside of the package. 3. Tighten the sample culture tube cap. Wrap lab tape or parafilm around the tube cap to help prevent any leakage of the sample. 4. Wrap this primary container with absorbent material. Place the primary container and absorbent material in the inner mailing container (secondary packaging) and tighten the cap securely. 5. The completed test request may be then wrapped around the sealed inner container and together enclosed securely in a rigid outer shipping container clearly labeled with the sender's and recipient's name/address and the name and phone number of the responsible party. Include a list of contents inside of the package. 6. The outside of the package must be clearly labeled with the Category A, Infectious Substance label, and with the designation "UN 2814 Infectious Substance, Affecting Humans" 7. Do not send culture isolates on Petri plates, as they are unacceptable for testing. 8. Isolates may be transported at ambient temperature.
Reporting and TAT	<ol style="list-style-type: none"> 1. Results will be reported by LimsNet. 2. Results should be available within 1-16 business days. 3. The test request should include the specific test being requested. 4. Identification testing is performed by PCR or MALDI-TOF, and drug susceptibility testing will be performed on newly identified MTBC patients upon request. 5. Isolates may be forwarded to the CDC or a reference laboratory for additional testing. Cultures identified as MTBC will be forwarded to the Michigan Department of Community Health for genotyping studies as is required by the ISDH Communicable Disease Rule.