

## IDENTIFICATION OF M. BOVIS BCG AND NTM

### Synonym(s):

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|                              |  |
|------------------------------|--|
| <b>Lab Section Category</b>  | <b>Mycobacteriology</b><br>Click here to find out more about the <b>write-up</b> ( <a href="/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/mycobacteriology.aspx">/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/mycobacteriology.aspx</a> ).  |
| <b>Specimen Required</b>     | For mycobacteria isolated in CTBL or in other laboratories   |
| <b>Storage and Transport</b> | <p>Fresh pure culture isolate on slant in sealed screw-capped plastic tube. Tube should be tightly closed, labeled with identifying lab number and placed in a biohazard-labelled ziplock bag. Pack, transport and notify CTBL (in advance) and MOH of the transfer, according to MOH-BATA requirements for <i>M. tuberculosis</i> complex.</p> <p>Referred NTM for identification: Fresh pure culture isolate on slant in sealed screw-capped plastic tube. Tube should be tightly closed, labeled with identifying lab number and placed in a biohazard-labeled ziplock bag.</p> <p>Regional laboratories must make arrangements with the lab for the MOH-Import Permit before sending specimens and packaging must conform to international standards (IATA).</p> <p>The request form should state the name and address of referring laboratory, organism identification, clinical source, patient particulars with relevant clinical information, clinician in-charge and requester's contact number. The type of test request should be specified as <b>Identification of BCG or NTM</b>. Forms are to be placed in a separate sealed plastic bag in the outer package.</p> |
| <b>Method</b>                | For BCG: HAIN MTBC<br>For NTM: line probe assays, MALDI-TOF and DNA probes   |
| <b>Test Result</b>           | Mycobacteria species identified  |
| <b>Turnaround Time</b>       | 1 week to 2 months, depending on species   |

|                           |   |
|---------------------------|---|
| <b>Day(s) Test Set up</b> | Monday - Friday   |
| <b>Remarks</b>            | Referred <i>M. tuberculosis</i> complex isolates for identification of BCG from other laboratories- please contact CTBL before sending isolate. |

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### Change History Notes

- **29 Apr 2016 05:18 PM**  
Amendment to Methods to include Hain MTBC and MALDI-TOF.

- **12 Jan 2018 11:53 AM**  
Remove HPLC in Methods

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