

**NAPA-SOLANO-YOLO-MARIN COUNTY
PUBLIC HEALTH LABORATORY**
2201 COURAGE DRIVE, MS 9-200
FAIRFIELD, CA 94533
(707) 784-4410 FAX (707) 423-1979



Test	Mycobacterium Identification
Test Description	Identification of a mycobacterium isolate determines the species of a submitted culture, typically using Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry (MALDI-TOF-MS). MALDI-TOF-MS speciates mycobacteria based on their unique protein profiles. MALDI-TOF-MS is performed on a weekly basis at the laboratory and requires visible growth of the organism.
Acceptable specimens	Viable, pure isolates on a slant culture (e.g., Lowenstein-Jensen or Lowenstein-Jensen Gruft)
Specimen shipping and packaging	Isolates should be shipped at room temperature and packaged using appropriate safety measures. If the isolate is suspected to be <i>Mycobacterium tuberculosis</i> , the isolate should be submitted following Category A shipping and packaging guidelines. For additional information, please refer to documents on Packing and Shipping Division 6.2 Materials.
CPT code	87118
Test fee	Refer to the posted fee schedule
Result availability (turnaround time)	MALDI-TOF-MS results are typically available within 1.5 weeks after an acid-fast organism is isolated. Time to isolation varies depending on the extent of bacterial contamination in the specimen, the growth characteristics of the organism, and other factors. If the specimen is referred to the Microbial Disease Laboratory for further identification, please allow for 3 weeks after referral for identification results.