

***Mycobacterium abscessus* Complex Subspecies Identification, Next-Generation Sequencing**

Test ID: DMAID

Useful for:

Determining the subspecies of a *Mycobacterium abscessus* complex culture isolate.

Methods:

Next-Generation Sequencing (NGS)

Reference Values:

Not applicable

Specimen Requirements:

- Supplies:** Infectious Container, Large (T146)
- Specimen Type:** *Mycobacterium abscessus* isolate growing in pure culture
- Preferred:** Solid slant medium (eg. Middlebrook 7H10, 7H11 or Lowenstein Jensen agar)
- Acceptable:** Broth medium (eg. Mycobacteria Growth Indicator Tube, 7H9 broth, BACT/ALERT MP or VersaTREK bottle). **Note:** Broth specimens will require subculture which will delay results.
- Specimen Volume:** Solid slant medium: Isolate with visible growth
Broth medium: Greater than or equal to 3 mL of broth culture
- Collection Instructions:** 1. Organism must be in pure culture, actively growing. **Do not submit mixed cultures.**
2. Place specimen in a large infectious container and label as an etiologic agent/infectious substance.
- Minimum Volume:** See Specimen Required

Specimen Stability Information:

Specimen Type	Temperature	Time
---------------	-------------	------

Varies	Ambient (preferred)	
	Refrigerated	

Cautions:

Only pure culture isolates of *Mycobacterium abscessus* should be submitted. Mixed cultures will result in a delay because the *M abscessus* must be isolated prior to performing the next-generation sequencing assay.

This assay has not been verified for the direct detection and direct subspecies identification of *M abscessus* from clinical specimens. It is intended for use on microbiologic culture isolates already identified as *M abscessus*.

CPT Code:

87153

Day(s) Performed: Monday through Friday

Report Available: 7 to 14 days

Questions

Contact Joshua Yang, Laboratory Resource Coordinator at 800-533-1710.