



# Test Definition: FUNID

Culture Referred for Identification, Fungus

## Overview

### Useful For

Identification of pure isolates of filamentous fungi and yeast

### Reflex Tests

Test Id	Reporting Name	Available Separately	Always Performed
D2F	D2 Fungal Sequencing Identification	No, (Bill Only)	No
FUNA	Fungal Ident Panel A	No, (Bill Only)	No
FUNB	Fungal Ident Panel B	No, (Bill Only)	No
ITSF	ITS Fungal Sequencing	No, (Bill Only)	No
RMALF	Id MALDI-TOF Mass Spec Fungi	No, (Bill Only)	No
RMALY	Id MALDI-TOF Mass Spec Yeast	No, (Bill Only)	No

### Testing Algorithm

When this test is ordered, the reflex tests may be performed and charged. All fungal organisms submitted will be identified and billed as appropriate.

### Special Instructions

- [Infectious Specimen Shipping Guidelines](#)

### Method Name

Macroscopic/Microscopic/D2 and Internal Transcribed Spacer (ITS) rDNA Gene Sequencing/Matrix-Assisted Laser Desorption/Ionization-Time of Flight Mass Spectrometry (MALDI-TOF MS)

Dimorphic Pathogen Identification Confirmation: D2 and ITS rDNA Gene Sequencing/MALDI-TOF MS

### NY State Available

Yes

## Specimen

### Specimen Type

Varies

### Shipping Instructions

1. See [Infectious Specimen Shipping Guidelines](#) for shipping information.

2. Place specimen in a large infectious container (T146) and label as an etiologic agent/infectious substance, if appropriate.

**Necessary Information**

1. Specimen source (anatomic body site) is required.
2. Isolate description is required: Gram stain reaction, morphology, tests performed.

**Specimen Required**

**Specimen Type:** Yeast or filamentous fungus in pure culture

**Supplies:** Infectious Container, Large (T146)

**Container/Tube:**

**Preferred:** Sabouraud dextrose agar slant

**Acceptable:** Inhibitory mold agar slant

**Specimen Volume:** Isolated mold or yeast

**Collection Instructions:** Yeast or filamentous fungus must be in pure culture, actively growing. **Do not submit mixed cultures.**

**Forms**

If not ordering electronically, complete, print, and send a [Microbiology Test Request](#) (T244) with the specimen.

**Reject Due To**

Agar plate	Reject
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**Specimen Stability Information**

Specimen Type	Temperature	Time	Special Container
Varies	Ambient (preferred)		
	Refrigerated		

**Clinical & Interpretive****Clinical Information**

Fida M, Wengenack NL, Theel ES. Mycology: General approaches for direct and indirect detection and identification of fungi. In: Carroll KC, Pfaller MA, Pritt BS, et al. Manual of Clinical Microbiology. 13th ed. ASM Press; 2023

**Reference Values**

Not applicable

**Interpretation**

Genus and species are reported on fungal isolates whenever possible.

**Cautions**

If the organism is received in mixed culture or contaminated, the report may be delayed or identification may not be possible.

**Clinical Reference**

Ashbee HR: General approaches for direction detection and identification of fungi. In: Carroll KC, Pfaller MA, Landry ML, et al, eds. Manual of Clinical Microbiology. 12th ed. Vol 1. ASM Press; 2019:2035-2055

**Performance****Method Description**

Identification of fungi is based on colonial and microscopic morphology, matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) mass spectrometry and/or D2 and internal transcribed spacer (ITS) rDNA gene sequencing, as applicable. (Dhiman N, Hall L, Wohlfiel SL, Buckwalter SP, Wengenack NL. Performance and cost analysis of matrix-assisted laser desorption ionization time of flight mass spectrometry for routine identification of yeast. J Clin Microbiol. 2011;49[4]:1614-1616; Hall L, Wohlfiel SL, Roberts GD. Experience with the MicroSeq D2 large-subunit ribosomal DNA sequencing kit for identification of filamentous fungi encountered in the clinical laboratory. J Clin Microbiol. 2004;42[2]:622-626; Theel ES, Schmidt BH, Hall L, et al. Formic acid-based direct, on-plate testing of yeast and *Corynebacterium* species by Bruker Biotyper matrix-assisted laser desorption ionization-time of flight mass spectrometry. J Clin Microbiol. 2012;50[9]:3093-3095; Theel ES, Hall L, Mandrekar J, Wengenack NL. Dermatophyte identification using matrix-assisted laser desorption ionization-time of flight mass spectrometry. J Clin Microbiol. 2011;49[12]:4067-4071; General approaches for direct and indirect detection and identification of fungi. In: Carroll KC, Pfaller MA, Pritt BS, et al. Manual of Clinical Microbiology. 13th ed. ASM Press; 2023)

**PDF Report**

No

**Day(s) Performed**

Monday through Saturday

**Report Available**

2 to 35 days

**Specimen Retention Time**

30 days after identification

**Performing Laboratory Location**

Mayo Clinic Laboratories - Rochester Main Campus

**Fees & Codes****Fees**

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact [Customer Service](#).

**Test Classification**

This test has been cleared, approved, or is exempt by the US Food and Drug Administration and is used per manufacturer's instructions. Performance characteristics were verified by Mayo Clinic in a manner consistent with CLIA requirements.

**CPT Code Information**

- 87107-Culture, fungi, definitive identification
- 87106-Culture, fungi, definitive identification, each organism; yeast (if appropriate)
- 87106-Id MALDI-TOF Mass Spec Yeast (if appropriate)
- 87107-Id MALDI-TOF Mass Spec Fungi (if appropriate)
- 87107-Culture, fungi, definitive identification, each organism; mold (if appropriate)
- 87107-Fungal identification Panel A (if appropriate)
- 87107-Fungal identification Panel B (if appropriate)
- 87153-D2 fungal sequencing Identification (if appropriate)
- 87153-ITS Fungal Sequencing (if appropriate)

**LOINC® Information**

Test ID	Test Order Name	Order LOINC® Value
FUNID	Culture Referred for ID, Fungus	42804-5

Result ID	Test Result Name	Result LOINC® Value
FUNID	Culture Referred for ID, Fungus	In Process