



Algorithm to identify *Candida auris* based on biochemical laboratory method and initial species identification

PURPOSE

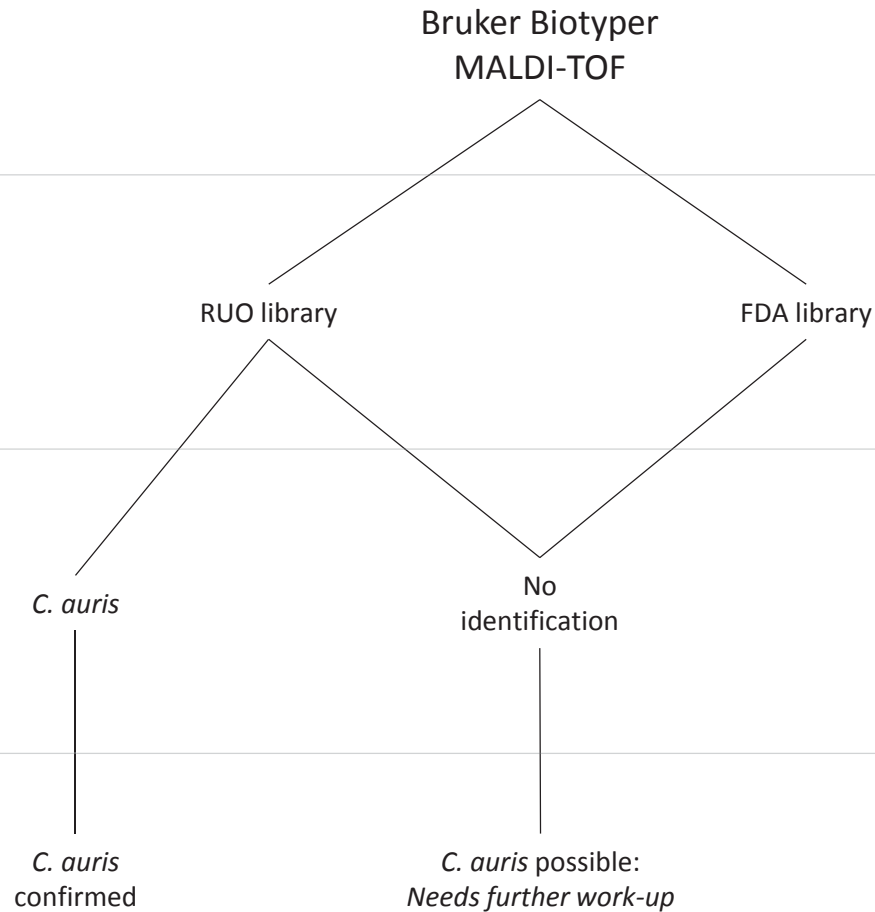
Candida auris is a multidrug-resistant yeast that has been found in multiple countries, including the United States. *C. auris* can cause invasive infections, be passed from person to person, and persist in the environment. Its severity, communicability, and drug resistance makes correctly identifying *C. auris* crucial to treating patients and preventing infections. However, this is challenging because traditional biochemical methods frequently misidentify *C. auris*. This algorithm details the steps needed to determine the correct *Candida* spp. based on the tests and equipment available in your lab.

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6. MicroScan

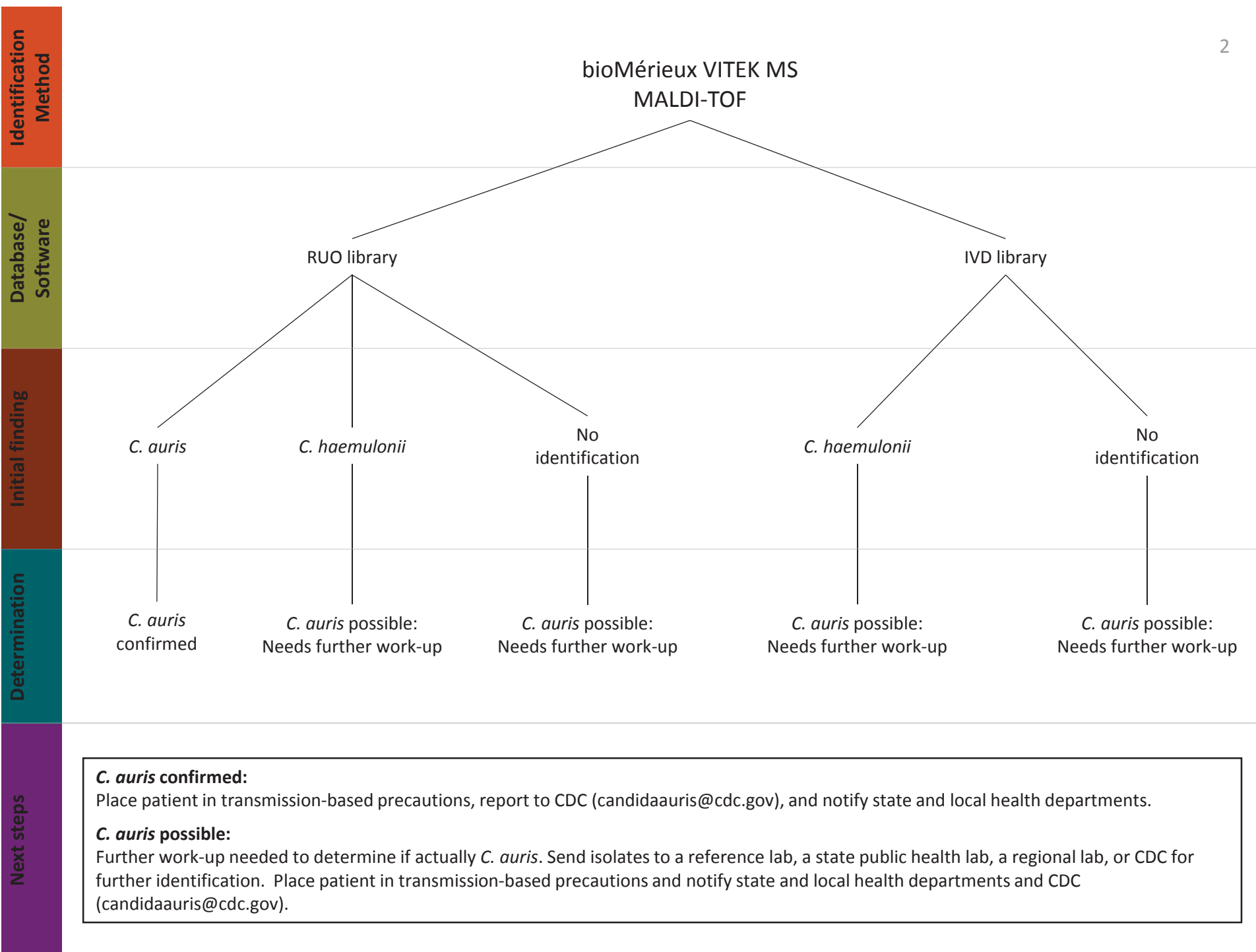
Please note that these algorithms are based on our current knowledge about misidentification of C.auris and may change as we learn new information.

***C. auris* confirmed:**

Place patient in transmission-based precautions, report to CDC (candidaauris@cdc.gov), and notify state and local health departments.

***C. auris* possible:**

Further work-up needed to determine if actually *C. auris*. Send isolates to a reference lab, a state public health lab, a regional lab, or CDC for further identification. Place patient in transmission-based precautions and notify state and local health departments and CDC (candidaauris@cdc.gov).



Identification
Method

VITEK 2 YST

Initial finding

*C. auris**C. haemulonii**C. duobushaemulonii**Candida* spp.
not identified

Determination

C. auris
confirmed*C. auris* possible:
Needs further work-up*C. auris* possible:
Needs further work-up*C. auris* possible:
Needs further work-up

Next steps

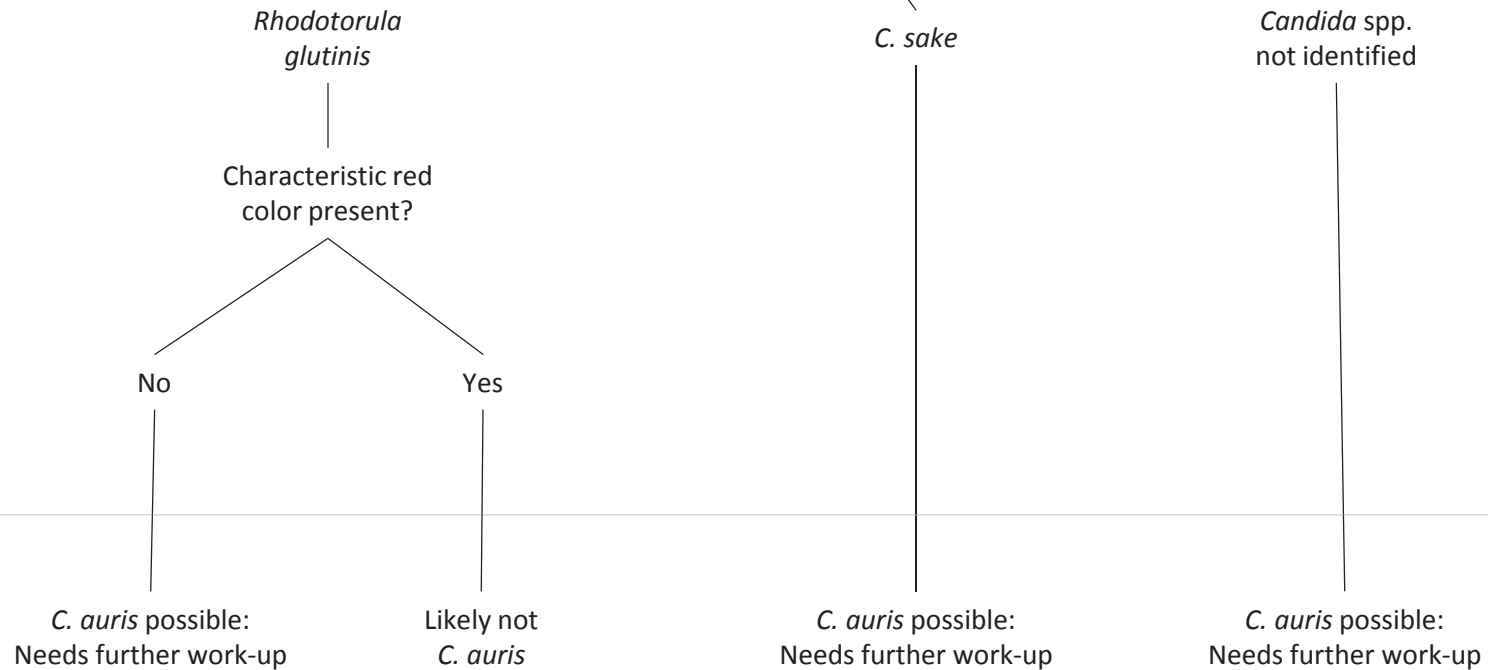
***C. auris* confirmed:**

Place patient in transmission-based precautions, report to CDC (candidaauris@cdc.gov), and notify state and local health departments.

***C. auris* possible:**

Further work-up needed to determine if actually *C. auris*. Send isolates to a reference lab, a state public health lab, a regional lab, or CDC for further identification. Place patient in transmission-based precautions and notify state and local health departments and CDC (candidaauris@cdc.gov).

API 20C

***C. auris* suspected:**

Place patient in transmission-based precautions and notify state and local health departments and CDC (candidaauris@cdc.gov). Send any isolates suspected to be *C. auris* to a reference lab, a state public health lab, a regional lab, or CDC for further identification.

Likely not *C. auris*:

No further *C. auris*-related action required.

BD Phoenix

*C. catenulata**C. haemulonii**Candida* spp.
not identified*C. auris* possible:
Needs further work-up*C. auris* possible:
Needs further work-up*C. auris* possible:
Needs further work-up***C. auris* possible:**

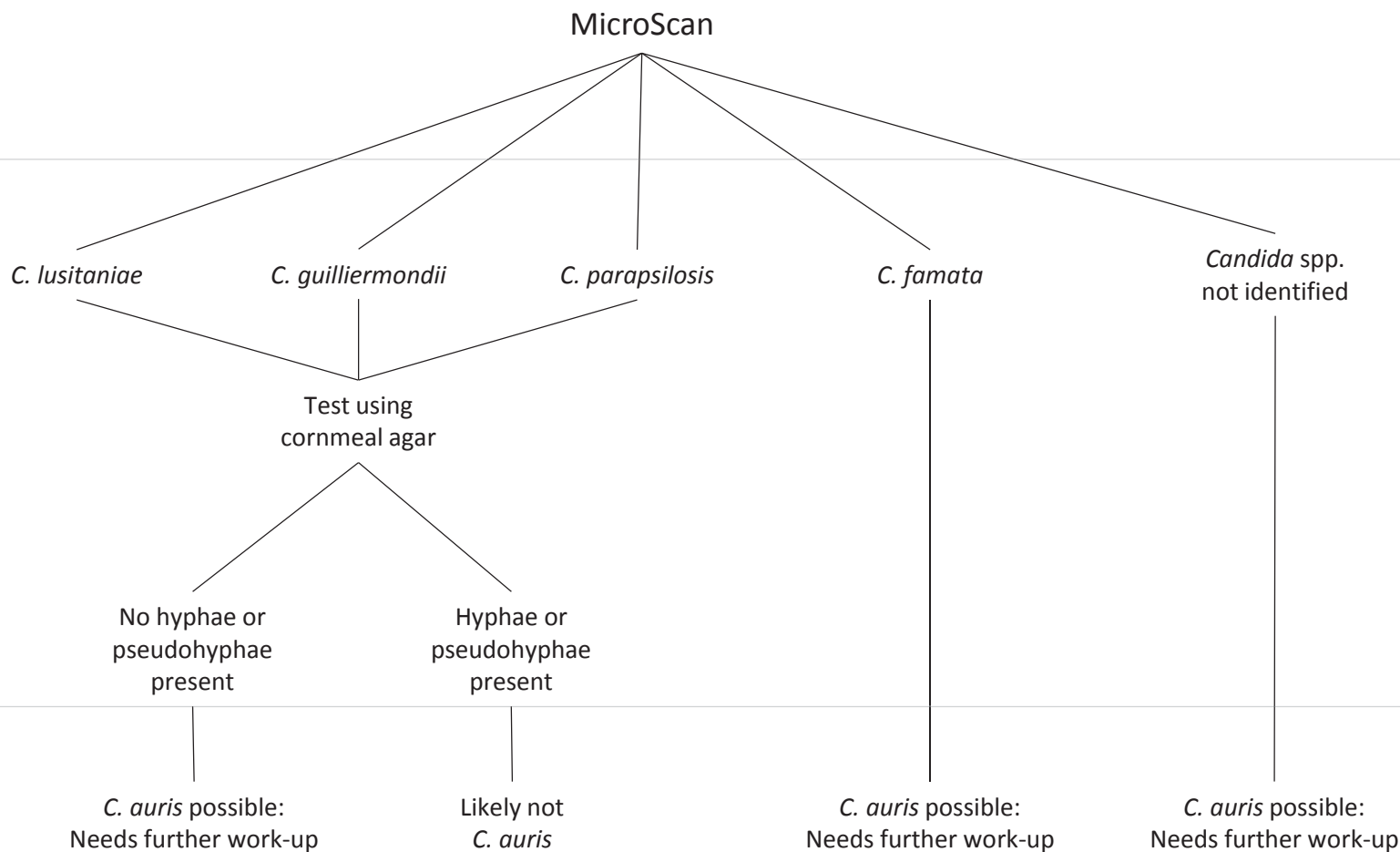
Further work-up needed to determine if actually *C. auris*. Send isolates to a reference lab, a state public health lab, a regional lab, or CDC for further identification. Place patient in transmission-based precautions and notify state and local health departments and CDC (candidaauris@cdc.gov).

Identification Method

Initial finding

Determination

Next steps

**C. auris possible:**

Further work-up needed to determine if actually *C. auris*. Send isolates to a reference lab, a state public health lab, a regional lab, or CDC for further identification. Place patient in transmission-based precautions and notify state and local health departments and CDC (candidaauris@cdc.gov).

Likely not *C. auris*:

No further *C. auris*-related action required.