

RUO



Fungiplex[®] Candida Auris

- Real-Time PCR

For research use only. Not for use in clinical diagnostic procedures.

Fungiplex Candida Auris

Fungiplex Candida Auris is a real-time PCR test, which specifically targets *Candida auris*; it provides rapid results with high sensitivity and specificity without isolation of the organism.

Specific detection of *Candida auris*

C. auris is an emerging global health threat.¹ Since its isolation in 2009, there have been cases reported in at least 15 countries over 5 continents. Transmissible in healthcare settings, *C. auris* can cause outbreaks and is often multi-drug resistant. While some laboratory methods misidentify the organism, Bruker's MALDI Biotyper® is authorized by the FDA for use in the unambiguous identification of *Candida auris*, upon isolation of the organism. PCR also shows promise as a sensitive and specific tool for *C. auris* detection. By providing rapid results without isolation of the organism, *Candida auris* PCR could prove advantageous for infection control and patient management.

The Fungiplex Candida Auris assay is designed to rapidly detect the presence of *C. auris* DNA extracted directly from samples, without culture. Fungiplex Candida Auris is specific for *C. auris* and does not cross-react with other, closely-related, *Candida* species.

¹ A. Chowdhary et al. PLoS Pathog. (2017) 13(5): e1006290 DOI: <https://doi.org/10.1371/journal.ppat.1006290>

| Target ^a | Limit of detection ^b | Thermocyclers (validated) | Time to result |
|----------------------|---------------------------------|---|---|
| <i>Candida auris</i> | 10 input copies (gDNA) | √ ABI 7500 √ ABI Quantstudio 5 √ Bio-Rad CFX √ Hain FluoroCycler XT √ Mic qPCR Cycler √ Qiagen RotorGene √ Roche LightCycler 480 II | < 2 h from extraction (1 - 50 samples) |

^a 28 different *C. auris* strains detected in triplicate. Does not cross-react with *C. haemulonii*/*C. haemulonis*, *C. duobushaemulonii*, *C. dubliniensis*, *C. lipolytica*, *C. lusitaniae*, *C. albicans*, *C. glabrata*, *C. krusei*, *C. sake*, *C. parapsilosis*

^b LOD refers to 100 % detection

Fungiplex Candida Auris

- has been designed in a **user-friendly** format that is compatible with **existing laboratory equipment** and produces results from extracted nucleic acid in **less than 2 hours**.
- offers the potential to rapidly detect *C. auris* without isolation of the organism.

Order Information: Part-No. 1860224 Fungiplex Candida Auris RUO PCR Kit

Real-time PCR Kit for the detection of *Candida auris* from extracted DNA. The kit provides all necessary reagents for 50 tests.

Fungiplex is a registered trademark of Bruker in the European Union and the USA.

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