

Candida auris and Antifungal-Resistant Strains Detection

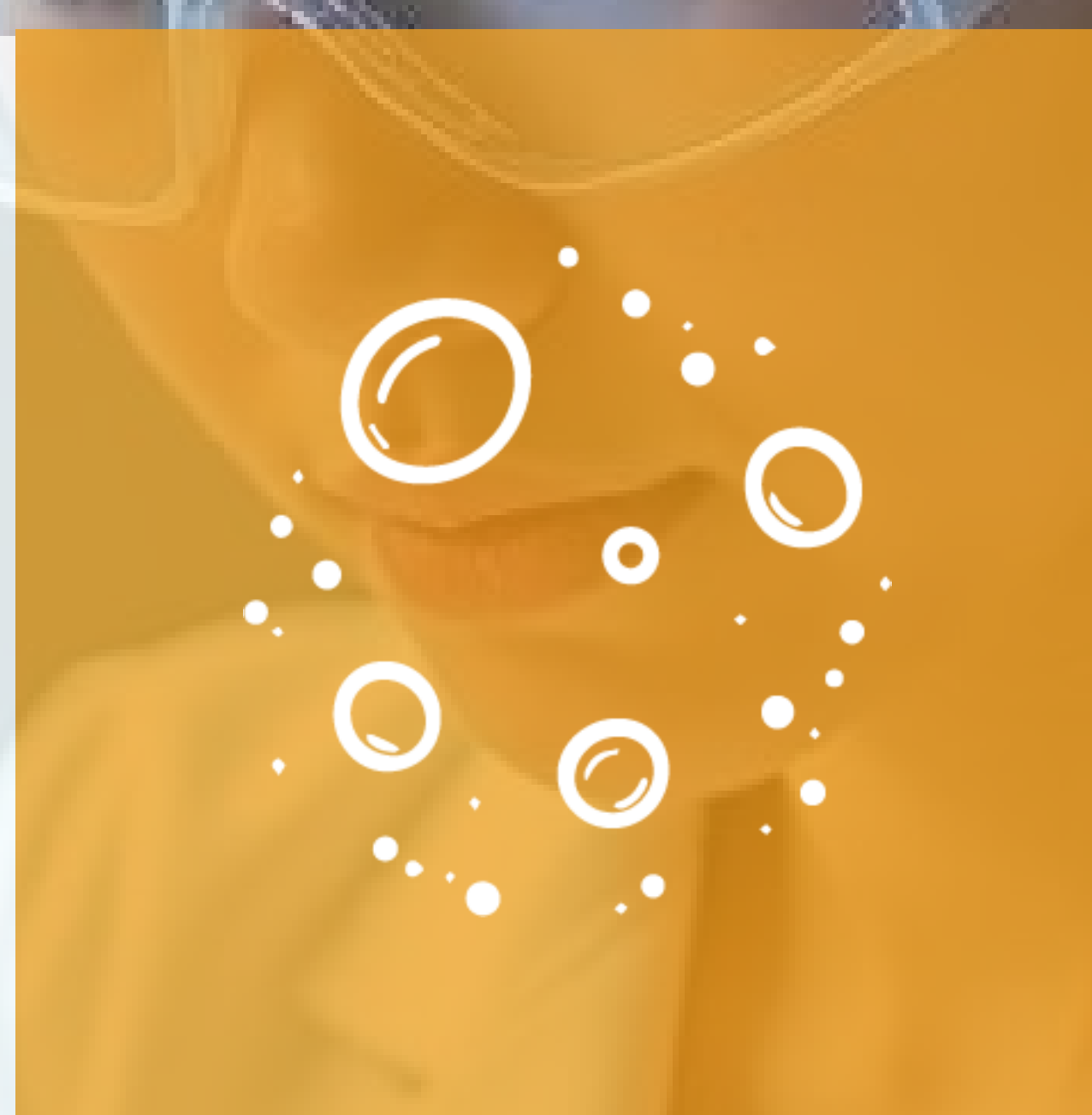
Fluorescent Probe-Based Real-Time PCR Assay

In 2019, the CDC classified *Candida auris* as an "urgent threat." This fungus can cause serious infections in the blood, lungs, urinary tract, and wounds, and is often resistant to antifungal treatments, leading to high mortality rates. It can survive in hospital environments, colonize the skin, and pose significant risks to immunocompromised individuals and patients undergoing invasive procedures, potentially causing outbreaks in healthcare settings.

Detecting *Candida auris* is challenging and often results in missed cases. Many strains are multidrug-resistant or even pan-resistant, complicating treatment. Therefore, precise detection of *Candida auris* and its resistant strains is essential.

Test Principle

This kit employs real-time polymerase chain reaction (PCR) technology for the identification of *Candida auris*, as well as the simultaneous detection of azole-resistant mutations in the *ERG11* gene and echinocandin-resistant mutations in the *FKS1* gene in specimens from patients with suspected *Candida auris* infection.



Accurate detection of *Candida auris* and its antifungal-resistant strains is of great clinical importance.

- Confirms infections and enables timely treatment.
- Guides the selection of effective antifungal therapies.
- Improves treatment success rates and reduces infection-related mortality.
- Facilitates prompt isolation of infected patients to prevent transmission in healthcare settings.

Product Features

3-in-1 Detection

Simultaneously detects *Candida auris*, as well as azole-resistant and echinocandin-resistant mutation sites.

Rapid Diagnosis



Amplification time is within 2 hours.

Reliable Results

Internal control (IC) of this kit are designed from human HAPB gene sequences.

Anti-contamination



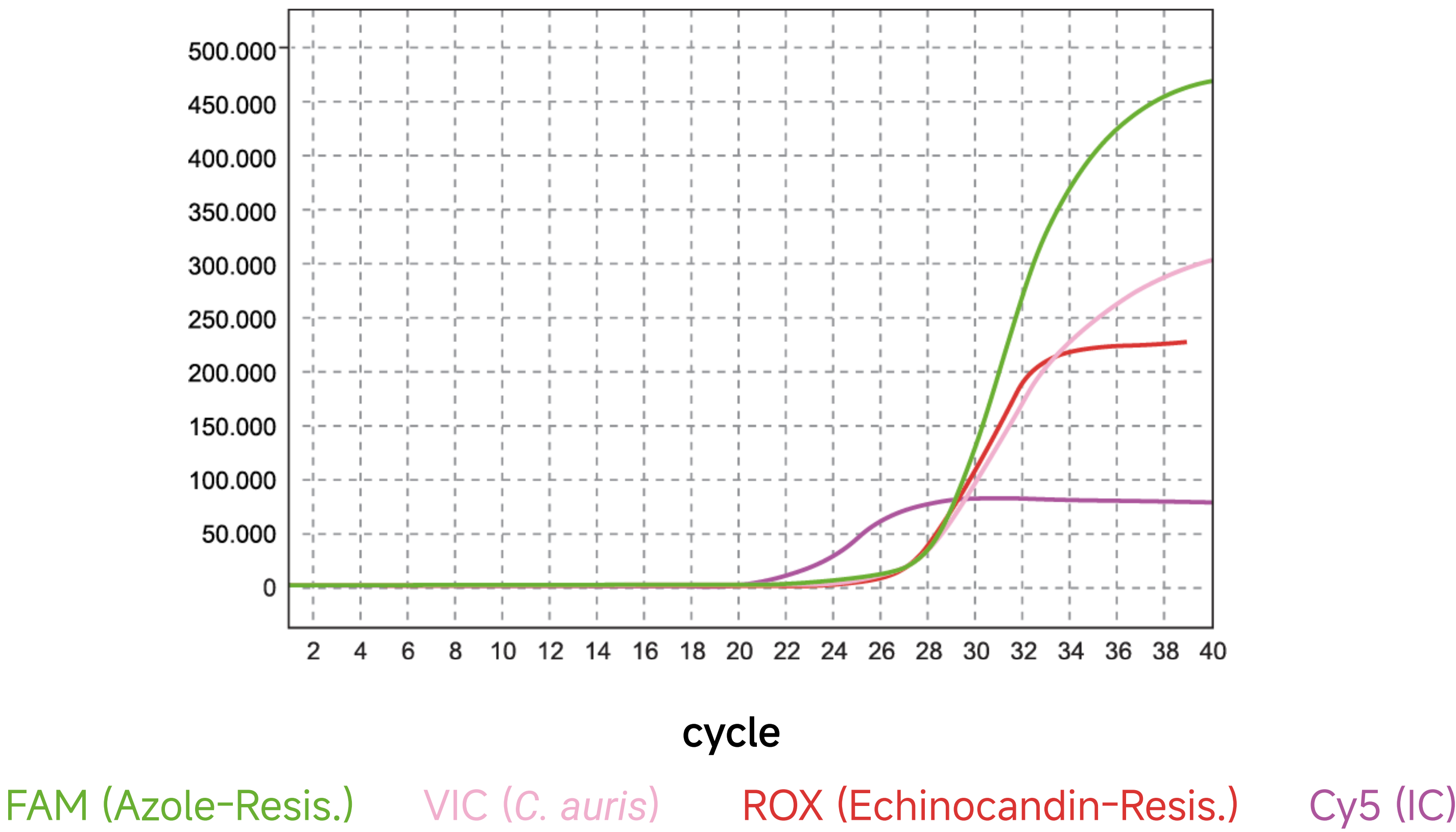
The UNG/dUTP system effectively minimizes PCR contamination.

Recommended Thermal Cyclers

- Applied Biosystems 7500 Real-Time PCR System
- Bio-Rad CFX96 Real-Time PCR System
- Other real-time thermal cyclers capable of simultaneous detection of FAM, VIC, ROX and Cy5 channels

Sample Results

Amplification Plot



Ordering Information

CE-IVD

Cat. No.	Product Name	Product Form	Storage Temp.	Shelf Life
B701T050B0C1	<i>Candida auris</i> Nucleic Acid Test Kit	Liquid	-20±5°C	12 Months
B70201T2048	<i>Candida auris</i> and Antibiotic-Resistant Strain Nucleic Acid Test Kit	Lyophilized	2-8°C	12 Months

