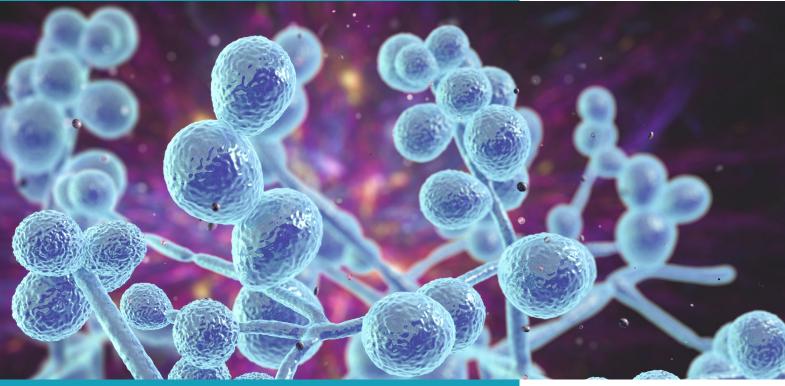
REALQUALITY Candida plus

Real-Time PCR kit for the detection and the simultaneous identification of different Candida species.



Candida albicans

Candida auris

Candida glabrata

Candida krusei

Candida parapsilosis

Candida tropicalis

Candida spp.



The Candida genus includes a variety of yeasts, usually commensals of human mucous membranes. Over 200 species have been recognized, but only 10% are classified as pathogens for humans. Microorganisms of the Candida genus can cause superficial infections, which may involve the mucous membranes, the skin, and, in more severe cases, invasive systemic infections characterized by high mortality. In hospital setting, patients admitted to intensive care units, immunocompromised patients, and those with neutropenia are at a high risk of developing invasive candidiasis.

The range of symptoms and clinical signs in cases of candidiasis is broad and diverse and may be non-specific. Providing rapid treatment with the appropriate antifungal is essential.

For Candida identification, culture remains the gold standard in hospital laboratories, however, the limitations of this methodology are suboptimal sensitivity and long reporting times. Molecular biology techniques, in particular Real-Time PCR, allow for rapid detection and identification by directly detecting limited amounts of fungal DNA in the clinical sample.

REALQUALITY Candida Plus is a Real-Time PCR kit which uses two different mixes for the detection of different Candida species with the simultaneous identification of Candida albicans, C. auris, C. glabrata, C. krusei, C. parapsilosis, C. tropicalis and Candida spp., providing rapid and reliable results without culture.

Candida 1 Real-Time mix

Fluorophores	Target
FAM	Candida albicans
HEX	Candida glabrata
Cy5	Candida krusei
ROX	Internal control (BC)

Candida 2 Real-Time mix

Fluorophores	Target
FAM	Candida parapsilosis
HEX	Candida tropicalis
Cy5	Candida auris
ROX	Candida spp.

PRODUCT CHARACTERISTICS:

- Internal control (IC) based on amplification of the human ß globin (BG) gene. Validated on:
- Includes **dUTP/UNG** system to prevent carry over contamination.
- Requires **5 µL** of extracted DNA.
- 70 minutes for Real-Time PCR amplification.
- Validated on Real-Time thermal cyclers:
 - CFX96 Real-Time PCR Detection System-IVD (Bio-Rad)
 - AriaDx Real Time PCR System (Agilent Technologies)
 - Mic qPCR Cycler (bio molecular system)
- Easy result interpretation with **AB Genius Report 3** software.
- Available in automatic format for GENEQUALITY® X120 and GENEQUALITY® Max.

SPECIMENS:

- cervical-vaginal swab
- uretral swab
- blood (treated with EDTA)
- blood culture
- rectal swab
- feces
- plasma
- serum
- axillary swab
- inguinal swab

ORDERING INFORMATION:

CODE	PRODUCT	N° TESTS	FORMAT
RQ-174-4M	REALQUALITY Candida Plus	50	Manual
RQ-174-6M		100	
RQ-174-4A		50	For use on the GENEQUALITY® platforms
RQ-174-6A		100	

