



**Molecular Diagnostics**

# **Fungiplex<sup>®</sup>**

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When time matters: Fungal PCRs for rapid results

Innovation with Integrity

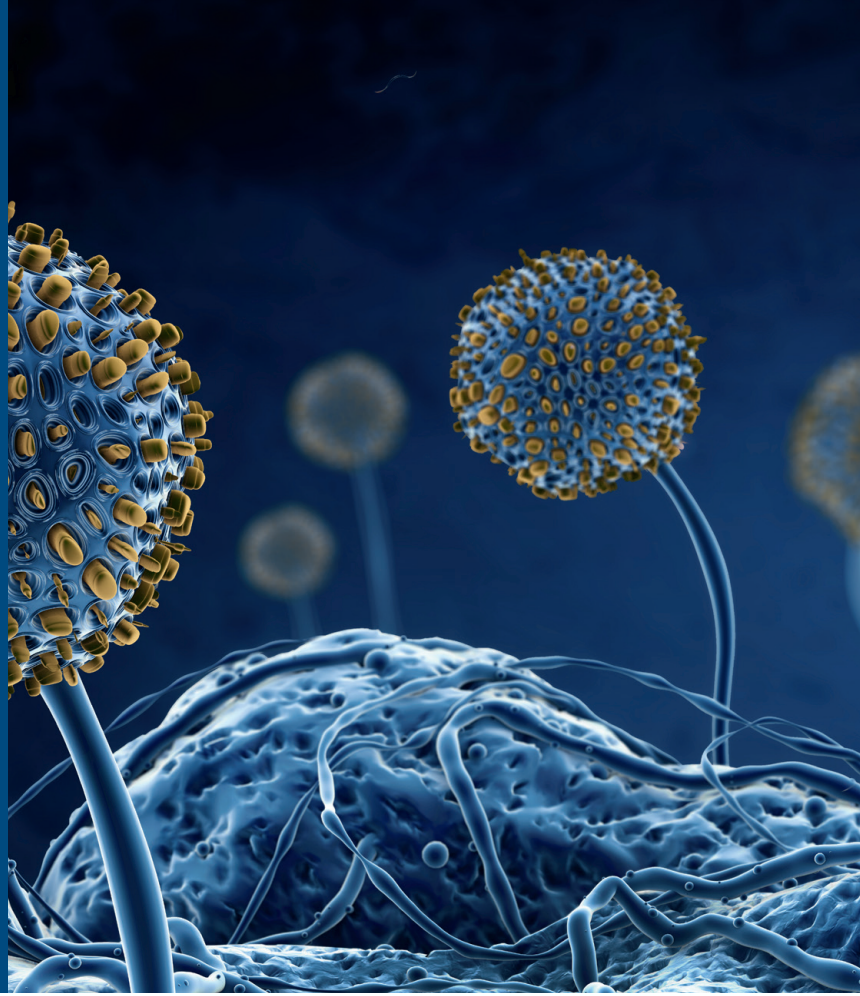
IVD



# Fungiplex<sup>®</sup> IVD Real-Time PCR Kits

Fungal infections are an increasing global health concern. Cases of invasive fungal disease (IFD) continue to rise, and new fungal pathogens emerge. At greatest risk are people with underlying medical conditions; particularly immunocompromised patients.

Diagnosis of IFDs is challenging due to the poor sensitivity and time-to-result of conventional diagnostics. Delayed diagnosis and treatment results in poor patient outcomes. Fungiplex<sup>®</sup> IVD real-time PCR kits target the most prevalent species and resistance markers, using DNA extracted directly from clinical samples, aiding to rapid diagnosis.



## Fungiplex<sup>®</sup> Aspergillus IVD Real-Time PCR Kit

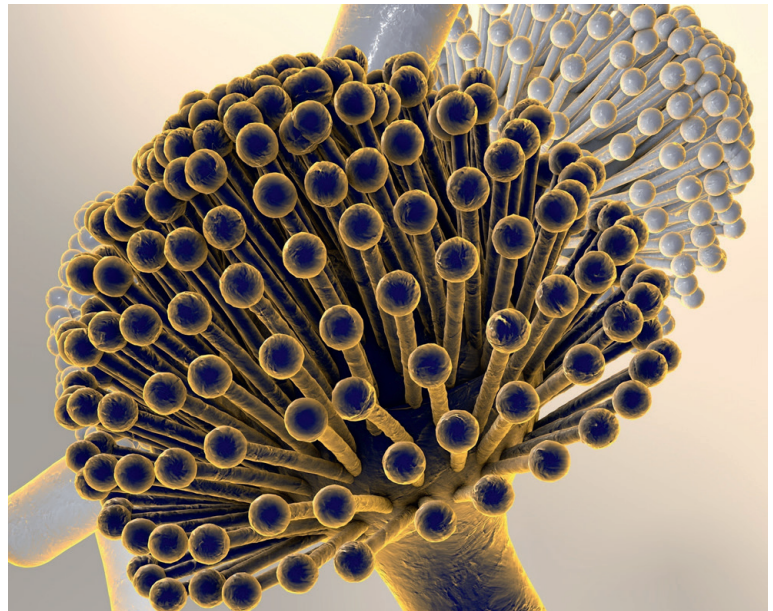
For patients at risk of invasive aspergillosis, PCR can aid earlier diagnosis and allow for targeted use of antifungal therapy. Test from serum, plasma, or bronchoalveolar lavage (BAL).

- *Aspergillus* spp.
- *Aspergillus terreus*

## Fungiplex<sup>®</sup> Aspergillus Azole-R IVD Real-Time PCR Kit

For detection of mutations in the *Cyp51A* gene associated with pan-azole resistance. Test from serum, plasma, BAL or isolate.

- TR34
- TR46

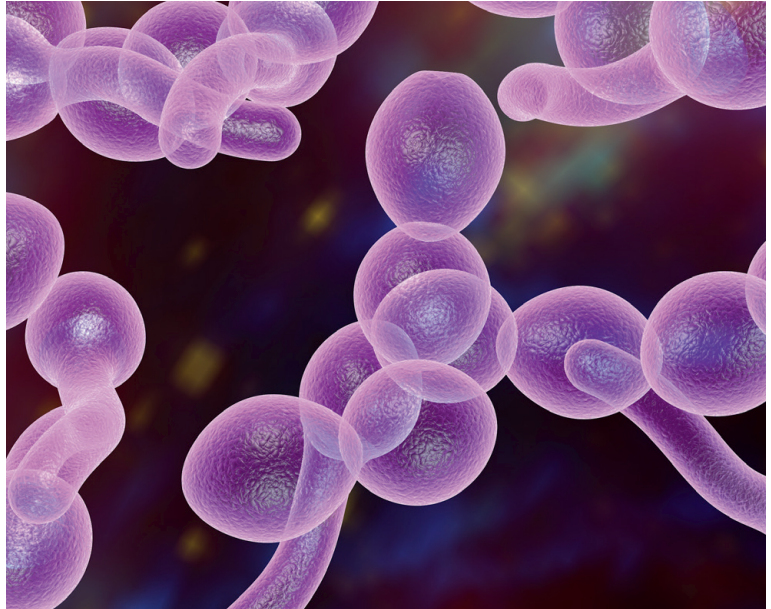


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### Fungiplex® Candida IVD Real-Time PCR Kit

*Candida* are the most prevalent pathogenic fungi. For patients at risk of invasive candidiasis, PCR is more sensitive than blood culture. Test from whole blood, serum or plasma.

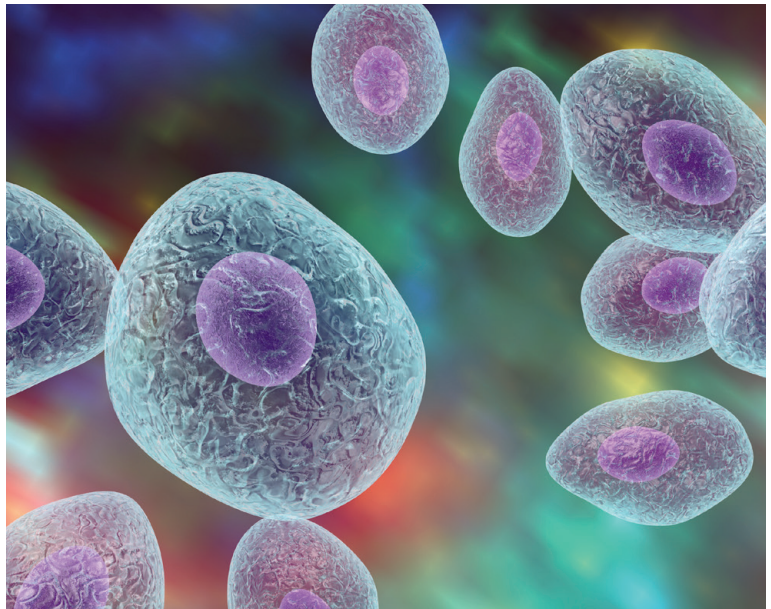
- *Candida* spp.
- *Candida glabrata*
- *Candida krusei*



### Fungiplex® Pneumocystis IVD Real-Time PCR Kit

*Pneumocystis* pneumonia affects those with a weakened immune system. PCR is recommended for the routine diagnosis of PCP. Test from BAL, NBL or throat swab.

- Quantitative detection of *Pneumocystis jirovecii*
- Human Beta-actin (endogenous control)



All Fungiplex® kits can be used in parallel, are compatible with a wide range of thermocyclers and provide results in less than 2 hours from extracted DNA.



# Fungiplex® IVD Real-Time PCR Kits

## Fungiplex® Mucorales IVD Real-Time PCR kit

Mucorales are emerging as opportunistic fungal pathogens causing mucormycosis with increasing incidence rate. PCR can be applied to non-invasive samples and is of interest to discriminate between *Aspergillus* and Mucorales, and detects 9 most common fungal pathogens causing Mucormycosis. Test from Tissue biopsy, BAL and serum.

- *Rhizopus* spp.
- *Lichtheimia* spp.
- *Cunninghamella* spp.
- *Rhizomucor* spp.
- *Mucor* spp.
- *Actinomucor* spp.
- *Apophysomyces* spp.
- *Saksenaea* spp.
- *Syncephalastrum*



Please contact your local representative for availability in your country.  
Not for sale in the USA.

## Harmonized fungal PCR

- All Fungiplex® assays can be run together on the same plate to optimize laboratory efficiency
- Multiple PCRs can be run per extract, enabling more results from each patient sample
- Validated on a range of the most common thermocyclers

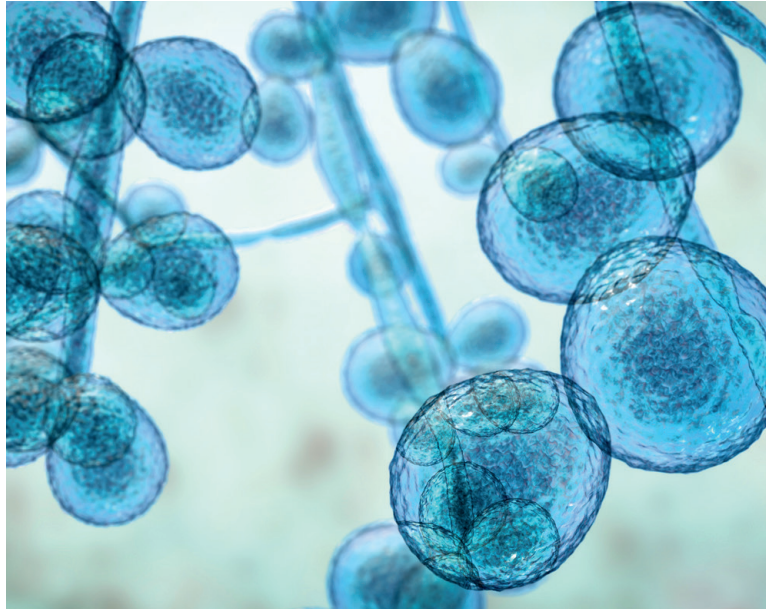
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# Fungiplex® RUO Real-Time PCR Kits empowering your research needs

## Fungiplex® Candida Auris RUO Real-Time PCR Kit

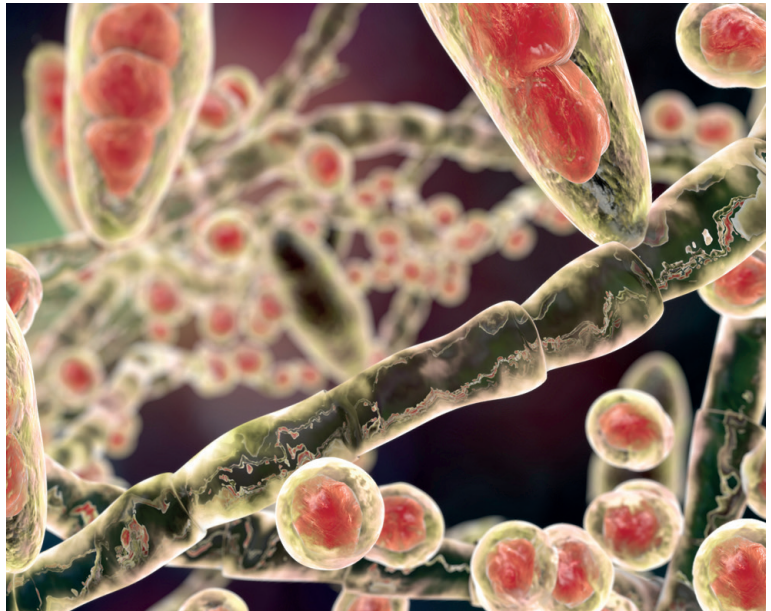
*Candida auris* is often multi-drug resistant and can be misidentified by conventional techniques. PCR can provide rapid results from sample, without culture.

- *Candida auris*



## Fungiplex® Universal RUO Real-Time PCR Kit

A pan-fungal PCR reporting the presence or absence of fungal DNA. Including Zygomycetes, *Cryptococcus* and *Trichosporon*.



**RUO**

For Research Use Only. Not for use in clinical diagnostic procedures.

All Fungiplex® kits can be used in parallel, are compatible with a wide range of Thermocyclers and provide results in less than 2 hours from extracted DNA.

# Related products

## The Fungiplex® portfolio is compatible with GenoXtract® and FluoroCycler® XT

- Enable culture-free detection of pathogenic fungi:  
Use DNA extracted directly from the patient samples to produce results in less than two hours.

### Results at a glance

- Fully automated analysis with FluoroCycler® XT enables consistent reporting with minimal user interpretation.



## Bruker's Mycology solutions

### MALDI Biotyper® sirius IVD System

Identify isolated organisms from culture, enabling quick identification of challenging filamentous fungi.

### MICRONAUT-AM Antifungal Agents MIC

Determine accurate MIC results for yeasts and Cryptococci, for up to 9 antimycotics, according to EUCAST criteria.

### MICRONAUT-AM EUCAST AFST

Determine accurate MIC of 6 antifungal agents according to the latest EUCAST standards.



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GenoXtract® and FluoroCycler® XT Hain Lifescience, Hardwiesenstraße 1, 72147 Nehren, Germany

Fungiplex® Candida Auris RUO Real-Time PCR Kit and Fungiplex® Universal RUO Real-Time PCR Kit are **RUO**  
They are not for use in clinical diagnostic procedures.

If not mentioned above all other products are **CE IVD**

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