When time matters: Fungal PCRs for rapid results
Fungiplex® IVD Real-Time PCR Kits

Aspergillus and Candida are the most prevalent pathogenic fungi that cause invasive fungal disease (IFD). Typically affecting immunocompromised patients, diagnosis of IFD is challenging due to poor sensitivity and time-to-result of conventional diagnostics. Delayed diagnosis and treatment results in poor patient outcomes. The Fungiplex IVD real-time PCR kits target the most prevalent species and resistance markers using DNA extracted directly from the clinical sample to give fast, accurate results.

**Fungiplex Aspergillus IVD**
For patients at risk of invasive aspergillosis, PCR can aid earlier diagnosis and allow for targeted use of antifungal therapy.
- Aspergillus spp.
- Aspergillus terreus

**Fungiplex Aspergillus Azole-R IVD**
Azole resistance in Aspergillus fumigatus is rising. PCR can give rapid results to target treatment. For detection of mutations in the Cyp51A gene associated with pan-azole resistance. Test from serum, plasma, BAL or isolate.
- TR34
- TR46

**Fungiplex Candida IVD**
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

All Fungiplex kits can be used in parallel, are compatible with a wide range of
Fungiplex® RUO Real-Time PCR Kits

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

The Fungiplex RUO (research use only) range of PCR kits has been designed for fungal pathogens or testing approaches in emerging areas of interest.

**Fungiplex Candida Auris RUO**

*Candida auris* is often multi-drug resistant and can be misidentified by conventional techniques. The MALDI Biotyper® offers unambiguous identification from isolates. PCR can provide rapid results from sample, without culture.

- *Candida auris*

**Fungiplex Mucorales RUO**

Mucorales are emerging as opportunistic fungal pathogens with increased incidence. PCR can be applied to non-invasive samples and is of interest to discriminate between *Aspergillus* and Mucorales.

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

**Fungiplex Universal RUO**

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

**Molecular Diagnostics**

**FluoroCycler® XT**
Run Fungiplex real-time PCR kits on the **FluoroCycler XT**.

manufactured by Hain Lifescience GmbH - a Bruker Company

**Viral Infections**

**FluoroType® CMV** | **FluoroType® EBV** | **FluoroType® BKV**
Target the viruses that affect transplant and immuno-compromised patients.

manufactured by Hain Lifescience GmbH - a Bruker Company

**Supporting Mycology**

**MALDI Biotyper®**
Identify isolated organisms.

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

manufactured by Merlin, Gesellschaft für mikrobiologische Diagnostika mbH

Please contact your local Bruker sales representative for information on availability and local registration of our products in your country.

Fungiplex® and MALDI Biotyper® are registered trademarks of Bruker Daltonik GmbH in the European Union and the USA.

FluoroCycler® and FluoroType® are registered trademarks of Hain Lifescience GmbH.

---

**Bruker Daltonik GmbH**
Bremen - Germany
Phone +49 (0) 421-2205-0

**ms.sales.bdal@bruker.com** - **www.bruker.com/microbiology**