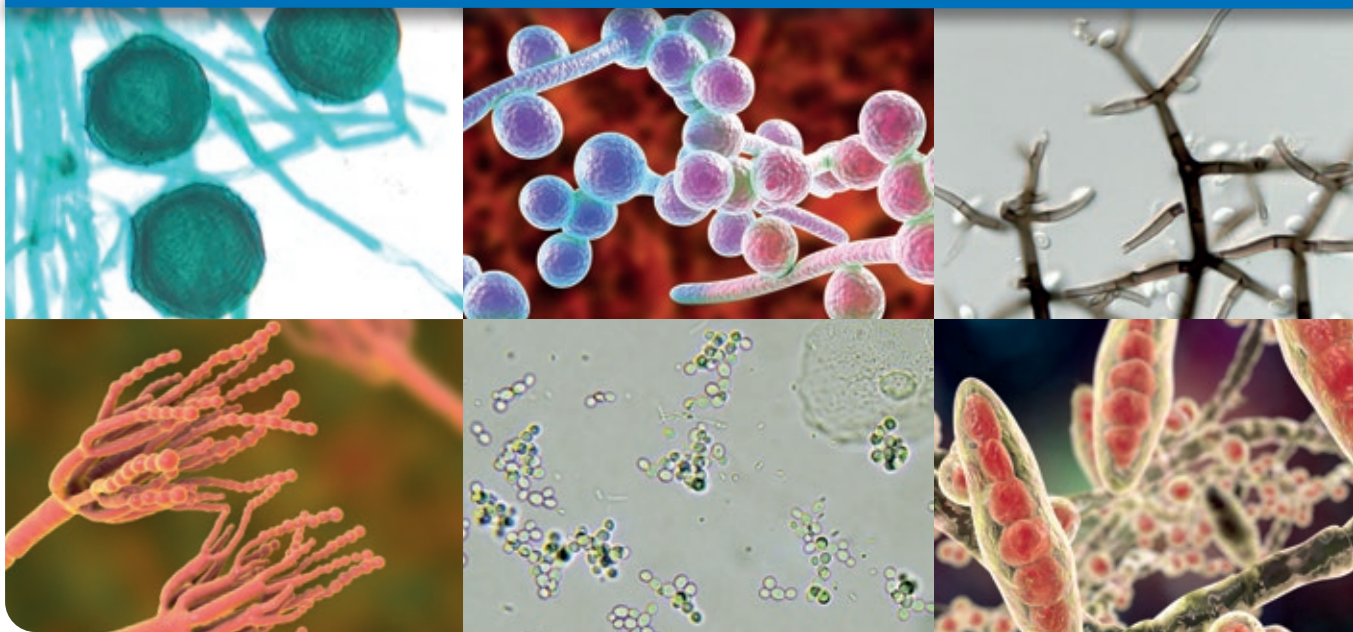


RUO



Fungiplex[®] Universal

- Real-Time PCR

Fungiplex Universal

Fungiplex Universal is a real-time PCR test, which covers a broad range of fungal pathogens, providing rapid results with high sensitivity and specificity without isolation of the organism.

Invasive fungal diseases (IFDs) are a significant cause of morbidity and mortality in patients who are immunocompromised or undergoing intensive therapy. The diagnosis of IFDs is challenging as clinical manifestations are non-specific and standard methods of diagnosis are often slow or have low sensitivity. In recent years, the epidemiology of IFDs has changed; *Candida* species remain the most common causes of IFD, but the incidence of *Aspergillus* species and other filamentous fungi, such as *Zygomycetes*, *Fusarium* and *Scedosporium spp.*, has increased⁽¹⁾. Identifying a fungal infection as early as possible is critical for the implementation of appropriate antifungal therapy; early diagnosis can improve treatment outcomes and potentially reduce healthcare costs⁽²⁾.

The Fungiplex Universal assay is designed to rapidly detect the presence of fungal DNA from blood samples, without blood culture. Fungiplex Universal detects a broad range of fungal species including those with low prevalence, and those that are not detected by diagnostic biomarkers, such as from the *Zygomycetes* or *Cryptococcus* genera.

<i>Apophysomyces</i>	<i>Cunninghamella</i>	<i>Mucor</i>	<i>Saccharomyces</i>
<i>Aspergillus</i>	<i>Exophiala</i>	<i>Paecilomyces</i>	<i>Saksenaea</i>
<i>Candida</i>	<i>Fusarium</i>	<i>Penicillium</i>	<i>Scedosporium</i>
<i>Cladosporium</i>	<i>Histoplasma</i>	<i>Pneumocystis</i>	<i>Syncephalastrum</i>
<i>Coccidioides</i>	<i>Lichtheimia</i>	<i>Rhizomucor</i>	<i>Talaromyces</i>
<i>Cryptococcus</i>	<i>Microsporium</i>	<i>Rhizopus</i>	<i>Trichosporon</i>

Fungiplex Universal:

- can be used for research purposes to test blood samples (serum, plasma or whole blood) for the presence of fungal DNA
- has been designed to run under the same conditions as Bruker's Fungiplex range of real-time PCR assays
- is provided in a **user-friendly format** that is compatible with **existing laboratory equipment** and produces results from extracted DNA in **less than 2 hours**.

¹ Ala-Houhala M et al. *Clinical use of fungal PCR from deep tissue samples in the diagnosis of invasive fungal disease: a retrospective observational study*, *Clinical Microbiology and Infection* 2017; 1-5, <https://doi.org/10.1016/j.cmi.2017.08.017>

² Drgona L et al. *Clinical and economic burden of invasive fungal diseases in Europe: a focus on pre-emptive and empirical treatment of Aspergillus and Candida species*, *Eur J Clin Microbiol Infect Dis* 2014; **33**: 7-21.

Order Information: Part-No. 1858554 Fungiplex Universal Real-Time PCR RUO Kit

The kit provides all necessary reagents for 50 tests.

Fungiplex is a registered trademark of the Bruker group of companies.

For Research Use Only. Not for use in clinical diagnostic procedures.
Please contact your local representative for availability in your country.



As of May 2021, Bruker Daltonik GmbH is now Bruker Daltonics GmbH & Co. KG.

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