

Supporting your mycology needs

- Detection - Identification - Susceptibility testing

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The increasing prevalence of severe fungal infections requires diagnostic tools, which provide the routine laboratory with a rapid indication of fungal pathogens, reliable identification, and antifungal susceptibility test (AFST) results for optimized antifungal therapy.

Invasive Fungal Disease presents a healthcare challenge

Invasive Fungal Disease (IFD) affects immunocompromised patients or those receiving intensive therapies and is attributed with high morbidity and mortality. Traditional diagnostic techniques exhibit low clinical sensitivity and delays in diagnosis. As a result, clinicians often rely on prophylactic or empiric antifungal drug therapy, which is often costly and can cause undesirable side effects.

Early diagnosis improves patient care

The Fungiplex® range of IVD real-time PCRs target the most prevalent pathogens and resistant species associated with IFD. Using DNA extracted from patient samples, Fungiplex can produce same day results without waiting for a culture. When incorporating systematic PCR testing into the diagnostics pathways, it has been shown to reduce not only the time to diagnosis but also the use of antifungal drugs, and the overall cost of care.

Accurate identification helps to deliver a diagnosis

When an organism is cultivated, the MALDI Biotyper® can provide definitive identification of more than 200 yeasts. When combined with the rapid MBT Sepsityper®, this can be achieved in as little as 15 to 20 minutes from blood culture positivity, helping clinicians to adjust treatment when time matters.

Microbiology can help to guide drug use

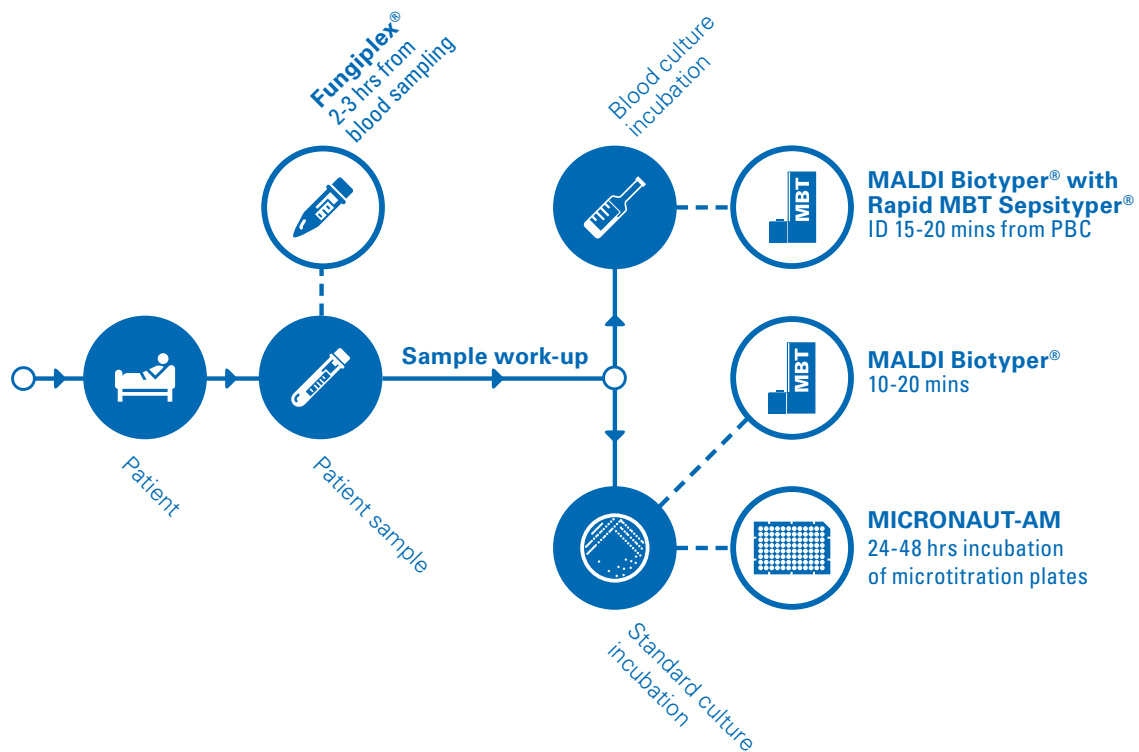
With rising antifungal drug resistance, ensuring the right drug is used for the right patient is increasingly challenging. Accurate MIC results against 9 antifungal agents, using the MICRONAUT-AM, can help to guide therapeutic choices. Multi-drug resistant *Candida auris* is unambiguously identified by the MALDI Biotyper.

Whether you need definitive organism identification, a rapid indicator of fungal infection, or accurate MIC results, Bruker supports your mycology needs.

Detection - Identification - AFST

Fast fungal results for *Aspergillus* and *Candida* species

Fast microorganism identification within 10-20 mins
AFST: True MIC determination of yeast and Cryptococci



Fungiplex®

range of Real-Time PCRs for **culture-free**, same day detection of fungi

Fungiplex® *Aspergillus*
Fungiplex® *Aspergillus* Azole-R
Fungiplex® *Candida*

MALDI Biotyper®

Library covers more than 200 yeasts, including unambiguous ID of *Candida auris*

MBT Sepsityper®

for same day microbiological ID from blood culture in critical patients

MICRONAUT-AM

for accurate MIC determination of yeasts
9 antifungal agents

Regulatory Affairs Disclaimer

This brochure provides an illustration of Bruker's family of products to address the increasing prevalence of severe fungal infections. Not all products are registered or approved for clinical diagnostic use in every country and we recommend you discuss the Regulatory status of our IVD Product portfolio with your Bruker's local Sales Representative to confirm product availability.

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