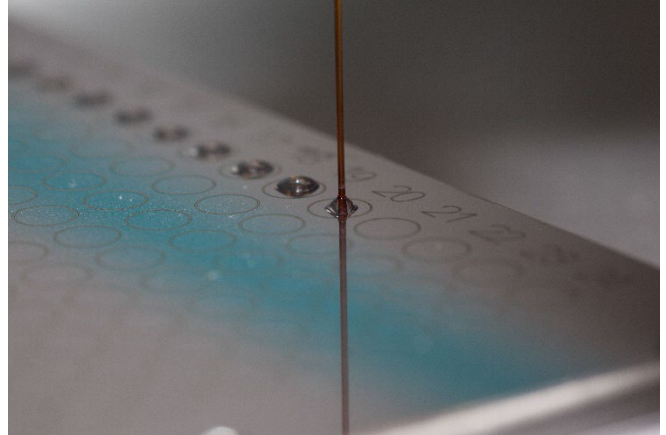


## Early and rapid diagnosis of Invasive Fungal Infections by mass spectrometry.

### Technology

- DIAGMASS is a diagnosis method for invasive fungal infections (IFI) based on mass spectrometry detection (MALDI-TOF) of specific fungal metabolites in the bloodstream.
- A first Proof of Concept has been obtained with an artisanal column.
- The method was transposed in 2022 on a commercial column, making it possible to consider miniaturization and automation (96-well plates, robotization, ...)



### Benefits

- New rapid detection method taking advantage of circulating fungal molecules using a physico-chemical method.
- This method makes it possible to quickly determine if the infection is of the fungal type and to set up an appropriate treatment.
- Robust, sensitive and specific test based on MALDI-TOF type mass spectrometry which has found its place in clinical microbiology for the identification of isolated germs and which is available in many hospitals.
- This Technique is independent of the brand of the equipment used (use of an internal standard).

### Applications

- Rapid diagnosis of invasive fungal infections in hospitals



### Keywords

- Diagnosis
- Invasive Fungal Infections (IFI)
- Panfungal test
- Mass Spectrometry
- Circulating Biomarkers

### Intellectual Property

Priority Patent  
FR1201796 June 2012  
Europe, US, China, and  
Japan are delivered

### Development Status

- Clinical POC obtained.
- Method tested and validated on different brands of MALDI-TOF
- Next steps: miniaturization, automation and testing on clinical spectroscopy.

### Partnership

Licensing

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