Positive Blood Culture?
MALDI-TOF Data Ambiguous?

This is where QuickFISH can help: the ideal backup system for MALDI-TOF

Although the MALDI-TOF system is becoming established as a system of routine choice for use in the clinical diagnostic lab, there are nevertheless occasions where MALDI-TOF may not provide a clear species identification. On these occasions the MALDI-TOF data may need to be verified using a second method. Situations that MALDI-TOF can find challenging include;

- Gram positive bacteraemia
- Fungaemia
- Presence of charcoal or resin in culture
- Polymicrobial bacteraemia

Thankfully the QuickFISH system is often able to identify pathogens directly from blood cultures in those situations where a MALDI-TOF system may encounter issues.

Based on proven, patented PNA-FISH technology from AdvanDX, it is a robust, reliable and sensitive system that needs minimal sample preparation. As such it provides the ideal backup system to MALDI-TOF to ensure that the laboratory can always quickly and accurately report findings across the broadest possible spectrum of pathogens.

How QuickFISH can complement your MALDI-TOF

Report with Gram Stain Result
20 minute turn-around time provides pathogen ID with gram stain result at a critical antibiotic decision point

- Easy to run alongside MALDI-TOF
- Accurate, positive Pathogen ID
- Fast and simple protocol
- Robust, reliable and sensitive
Positive identification of visualised pathogens by QuickFISH in 20 minutes provides rapid verification and backup of MALDI-TOF derived pathogen identifications.

“PNA-FISH is easy to perform in the clinical laboratory and does not require significant capital equipment costs unlike microarrays or MALDI-TOF” – Harris, D. and Hata, D. Annals of Clinical Microbiology and Antimicrobials 12 (2013)

“PNA-FISH was shown to be superior to MALDI-TOF for detecting Staphylococcus aureus bacteraemia directly from blood culture bottles. It was also an acceptable methodology for standard diagnostic microbiology laboratory” – Kenicer et al. European Society of Clinical Microbiology and Infectious Diseases, 29 April 2013

“The QuickFISH technology appears robust and reliable, with the major advantage of providing results in half an hour. It can be expected that this technique will be used routinely for all blood cultures” Caretto et al, Journal of Clinical Microbiology 51(1) p131-135 (2013)