Accurate identification of MRSA needs a Gene Expression expert, not just a Gene Expert

*meca XpressFISH*: Reliable ID of MRSA by detecting *meca* gene mRNA.

The new *meca XpressFISH*® assay reliably and rapidly provides a positive identification of MRSA by confirming *meca* gene expression, not merely the presence of the SCCmec cassette. This means that only bacteria that can actually produce the PBP2 protein necessary for antibiotic resistance are identified as MRSA, avoiding the risk of the false negative and false positive identifications that have been seen in other (PCR based) molecular diagnostic techniques.

The *meca XpressFISH* assay offers a number of advantages over both traditional and molecular diagnostic techniques for distinguishing MRSA and MSSA. These include:

- The only assay that detects active transcription of the *meca* gene
- Result in about an hour vs 2 days by conventional methods
- Hands on time of only 15 minutes
- Based on the proven, reliable PNA-FISH technology from AdvanDX
- Requires no complex, expensive equipment
- Ideal companion to the 20 minute QuickFISH *Staphylococcus* assay
- Visual identification of cells for added confidence
Vancomycin? Flucloxacillin? Teicoplanin?

**Accurate identification of MRSA needs a Gene Expression expert, not just a Gene Expert**

**mecA XpressFISH**: Distinguish MRSA from MSSA by detecting mecA mRNA.

"The combination of the S.aureus QuickFISH and the mecA XpressFISH tests for the identification of MRSA in blood cultures is rapid, robust, reliable, sensitive and specific."

"The combination of Staphylococcus QuickFISH and mecA XpressFISH assays could significantly speed up the diagnosis of MRSA Bloodstream Infection."

"Performance of the mecA XpressFISH immediately after the QuickFISH test could enhance patient outcomes significantly, providing there is a rapid clinical response to the results."

mecA XpressFISH is based on the unique PNA-FISH technology developed by AdvanDX and is the ideal companion for the trusted and reliable QuickFISH assay that provides 20 minute species ID of the most important hospital associated infections. The use of mecA XpressFISH in combination with QuickFISH Staphylococcus empowers the lab to provide a Staphylococcus species ID and antibiotic resistance report in under 2 hours, compared to 2 days with conventional techniques, with the potential to dramatically improve patient outcomes.

References