

LabMed Report

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In this issue: Biofire Bacterial Pathogen Resistance Gene Testing

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Munson Medical Center's microbiology lab uses a nucleic acid testing process to detect resistance genes in bacteria from blood culture.

Resistance genes include *mecA/C* and *MREJ*.

For some infectious pathogens, such genes are but a few of the many resistance mechanisms they can express

For *Staphylococcus aureus*, the absence of *mecA/C* and *MREJ* is strongly correlated with methicillin sensitivity (methicillin sensitive *Staphylococcus aureus*, "MSSA").

So, for blood cultures positive for *Staphylococcus aureus* on Biofire with no resistance genes reported, cefazolin rather than vancomycin may be a therapeutic option.

References

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