

RAPID DIAGNOSIS OF STAPH AUREUS AND MRSA **GENOMERA® MRSA/SA AC TEST FOR BLOOD CULTURES AND PLATES WITH MECC DETECTION**



Methicillin-resistant *Staphylococcus aureus* (MRSA) has become the most commonly identified antibiotic-resistant pathogen in the world. It is a significant cause of morbidity, mortality and increased healthcare costs. *Staphylococcus aureus* infections (SA) range from mild to life threatening.

When the infection has spread to the bloodstream, reliable results are needed fast. The immune response to bacteraemia can cause sepsis and septic shock, which result in a high rate of mortality despite intensive care. Additionally culture remains widely used method for screening but requires confirmation by other methods. GenomEra® MRSA/SA AC Test enables a definitive genetic diagnosis of MRSA or SA in less than one hour compared to hours or even days spent with conventional identification methods.

GenomEra® MRSA/SA AC Test enables the use of both blood cultures and plate samples.

No sample preparation. Simple dilution of a droplet of blood culture or a colony.
Definitive genetic diagnosis of *S. aureus* and MRSA with the detection of both resistance genes (*mecA/mecC*).
Rapid turnaround time of 50 minutes for 4 results.

Unrivaled clinical performance in blood cultures

GenomEra test kit	Specificity (%)	Sensitivity (%)	PPV (%)	NPV (%)
MRSA/SA AC	100 CI 95%: 97.11% - 100%	100 CI 95%: 96.34% - 100%	100	100

n=232
 Inhibition rate 0.86 % [2/232]
 Combined performance for MRSA and SA

Comprehensive strain coverage

In a study by Robert Koch Institute
all strains correctly identified

- 26 *mecC*-MRSA strains
- 23 *mecA*-MRSA strains
- 4 MSSA strains

For all enquiries of the test, contact us directly or your local distributor.
 Products not available in the USA

