

QUAN Dx[®]

MOLECULAR DIAGNOSTICS INNOVATOR

Q-MRSA DETECTION KIT

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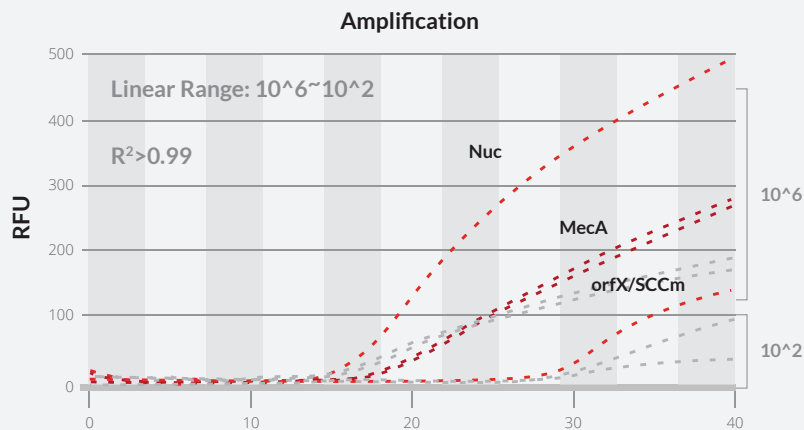
Methicillin-resistant *Staphylococcus aureus* (MRSA) is a major epidemiological problem in hospitals throughout the world. MRSA causes about 30% of surgical site infections, as well as 24% of ventilator-related pneumonia infections, 10% of central line infections, and 2% of urinary catheter-associated bloodstream infections.

Current methodologies of MRSA detection are clinically time consuming. The Q-MRSA detection kit provides a simple multiplex test to detect the 3 major MRSA markers all at once: the *mecA* gene, the *nuc* gene (*S. aureus*-specific marker) and the SCC:*orfX* junction (the integration site of the SCCmec cassette into the *S. aureus* chromosome). This multiplex detection kit requires minimal sample preparation and provides accurate results.

KEY FEATURES

- **Multiplexing:** simultaneous detection of *nuc*, *mecA* and six subtypes of SCCmec:*orfX* junction.
- Internal Control to exclude PCR inhibition and to monitor reagent integrity.
- Compatible with current real-time qPCR instruments.
- Rapid qPCR results in 1.5 hours.
- Simple one step protocols: just add genomic DNA and go.

DYNAMIC RANGE: DETECTION FROM 1 MILLION COPIES TO 100 COPIES



Note:

Light Red color for NUC;
Dark Red for *mecA*; Gray for
orfX/SCCmec junction

PRODUCT SPECIFICATIONS

SCCMEC SUBTYPES

MREJ type i, ii, iii, iv, v and vii

SENSITIVITY

100 copies

INSTRUMENTS

Compatible with Bio-Rad CFX96, iCycler, ABI7500, Stratagene Mx3000P/Mx3005P, and other commonly used RT-qPCR instruments

ORDERING INFORMATION

Q-MRSA DETECTION KIT

Cat. No.	Description	Size
1-300-10020	Q-MRSA Detection Kit	20 reactions
1-300-10010	Q-MRSA Detection Kit	10 reactions

For Research Use Only. Not for use in diagnostic procedures.



Learn More at
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