



Antibiotic  
Resistance

# GeneProof®

## GeneProof MRSA PCR Kit



### WIDE RANGE OF MRSA CHROMOSOMAL CASSETTE DETECTION

- Detects MRSA chromosomal cassettes I. - XI.

### MULTI TARGET DETECTION

- Enables testing both *mecA* / *mecC* genes
- Recognizes empty cassettes

### CONTAMINATION PREVENTION

- Master Mix contains Uracil-DNA glycosylase (UNG) and dUTPs eliminating carryover contamination

### DIRECT DETECTION FROM CLINICAL MATERIAL

- No need of previous cultivation
- Quick result from primary clinical material

### EASY-TO-USE CONCEPT

- Single tube Ready-to-Use Master Mix contains all components for PCR amplification
- No additional PCR reagents pipetting necessary

#### ORDER INFORMATION

REF	PACKAGE
MRSA/ISEX/025	25 reactions
MRSA/ISEX/100	100 reactions



COMPATIBLE WITH A WIDE RANGE OF REAL-TIME PCR DEVICES



CERTIFIED DIAGNOSTIC TEST

[www.geneproof.com](http://www.geneproof.com)

GUARANTEED CONTROL OVER THE COMPLETE PROCESS OF DEVELOPMENT, MANUFACTURING AND DISTRIBUTION OF ALL THE OFFERED GENEPROOF PRODUCTS



# GeneProof MRSA PCR Kit

+ GeneProof MRSA PCR Kit

+ GeneProof VRE PCR Kit

INDICATION	<i>in vitro</i> diagnostic medical device
REGULATORY STATUS	CE IVD
INTENDED USER	For professional use in laboratories with trained staff
TECHNOLOGY	Real-time PCR
TYPE OF ANALYSIS	Qualitative
TARGET SEQUENCE	<i>nuc</i> gene, which is specific for <i>Staphylococcus aureus</i> SCCmec/orfX junction region Resistance gene <i>mecA/mecC</i>
ANALYTICAL SPECIFICITY	Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA)
ANALYTICAL SENSITIVITY (LOD)	2.81 ge/ $\mu$ l (on NCTC strain 13142)
EXTRACTION/INHIBITION CONTROL	PCR Inhibition and DNA extraction efficiency control
VALIDATED SPECIMEN	<b>Aspirate, sputum, swab, urine</b>
STORAGE	-20 $\pm$ 5 °C
VALIDATED EXTRACTION METHODS	croBEE 201A Nucleic Acid Extraction System GeneProof PathogenFree DNA Isolation Kit
INSTRUMENTS	croBEE Real-Time PCR System Applied Biosystems 7500 Real-Time PCR System AriaMx Real-Time PCR System CFX96™ / Dx Real-Time PCR Detection System LineGene 9600 / 9600 Plus QuantStudio™ 5 Real-Time PCR System Rotor-Gene 3000 / Q
REQUIRED DETECTION CHANNELS	FAM, HEX, Cy5, Texas Red
EXTERNAL QUALITY ASSESSMENT	Regularly tested in QCMD and Instand e.V. External Quality Assessment Panels - results at <a href="http://www.geneproof.com">www.geneproof.com</a>