



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 ELIMINATION

- Ready-to-Use Master Mix contains Uracil-DNA glycosylase (UNG) and dUTPs eliminating contamination with amplification products

DIRECT DETECTION FROM CLINICAL MATERIAL

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

UNIVERSAL PCR PROFILE

- Easily combinable with e.g. GeneProof VRE PCR Kit



COMPATIBLE WITH A WIDE RANGE OF REAL-TIME PCR DEVICES



CERTIFIED DIAGNOSTIC TEST

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

TECHNOLOGY	real-time PCR
TYPE OF ANALYSIS	qualitative
TARGET SEQUENCE	nuc gene, which is specific for <i>Staphylococcus aureus</i> , <i>SCCmec/orfX</i> junction region, resistance gene <i>mecA/mecC</i>
ANALYTICAL SPECIFICITY	Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)
ANALYTICAL SENSITIVITY (LOD)	reaches up to 2.81 ge/ μ l with the probability of 95% (on NCTC strain 13142)
EXTRACTION/INHIBITION CONTROL	PCR Inhibition and DNA extraction efficiency control (ISEX version)
VALIDATED SPECIMEN	aspirate, sputum, swab, urine
STORAGE	-20 \pm 5 °C
VALIDATED EXTRACTION METHODS	croBEE NA16 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 by QCMD and Instand e.V. External Quality Assessment panels - results at www.geneproof.com
REGULATORY STATUS	CE IVD

*Validated instrument

PRODUCT NAME	TECHNOLOGY	ORDER NO.		
		25 REACTIONS	50 REACTIONS	100 REACTIONS
GeneProof MRSA PCR Kit	real-time PCR	MRSA/ISEX/025	MRSA/ISEX/050	MRSA/ISEX/100