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## MecA detection Protocol

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**Protocol status:** Working

**We use this protocol and it's working**

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## Abstract

Polymerase chain reaction (PCR) was conducted for the detection of *MecA* gene from the *Staphylococcus aureus* Isolated from both healthcare workers and burns and wound patients using the primers listed in table 3.1. A total PCR reaction volume of 25µl containing primers 2 µl, Pre-mix 15 µl, sample 2 µl, and water 6 µl was used, and a cycling condition, with Initial denaturation at 94 °C for 5 min, and 30 cycles of denaturation at 94 °C for 30 sec, annealing at 55 °C for 30 sec and elongation at 72 °C for 1 min and final extension 72 °C 10 min was adopted. PCR amplification was conducted in a thermal cycler (MyCycler Thermal Cycler, Bio-Rad, Portugal) after which agarose gel electrophoresis was run to detect the presence (Band size) or absence of *MecA* gene as described by Poulsen *et al.*, 2003

*MecA* gene primers

	Gene	Primers (3'-5')	Amplicon Size (BP)
	<i>mecA</i>	F: GGGATCATAGCGTCATTAT TC R: AACGATTGTGACACGATAG CC	527

## Troubleshooting

