Claims

[Claim 1]

A primer pair for detecting a mecA gene (methicillin-resistance gene), wherein the primer pair is one primer pair selected from the group consisting of (a),

(a) A primer pair comprising a combination of SEQ ID NO:3 and SEQ ID NO:7, a combination of SEQ ID NO:2 and SEQ ID NO:9, a combination of SEQ ID NO:1 and SEQ ID NO:8, a combination of SEQ ID NO:1 and SEQ ID NO:9, a combination of SEQ ID NO:4 and SEQ ID NO:11, a combination of SEQ ID NO:5 and SEQ ID NO:12.

[Claim 2]

The primer pair according to claim 1, wherein the primer pair is a primer pair consisting of a combination of SEQ ID NO: 6 and SEQ ID NO: 10.

[Claim 3]

A mecA gene detection kit comprising a primer pair, wherein said primer pair is at least one primer pair selected from the group consisting of (a) below,

(a) A primer pair comprising a combination of SEQ ID NO:3 and SEQ ID NO:7, a combination of SEQ ID NO:2 and SEQ ID NO:9, a combination of SEQ ID NO:1 and SEQ ID NO:8, a combination of SEQ ID NO:1 and SEQ ID NO:9, a combination of SEQ ID NO:4 and SEQ ID NO:11, a combination of SEQ ID NO:5 and SEQ ID NO:12, a combination of SEQ ID NO:6 and SEQ ID NO:10 or a combination of SEQ ID NO:6 and SEQ ID NO:12.

[Claim 4]

The kit according to claim 3, wherein the primer pair is a primer pair consisting of a combination of SEQ ID NO: 6 and SEQ ID NO: 10.

[Claim 5]

The kit according to claim 3 or 4 comprising at least one of an enzyme for PCR, a reagent for PCR and an instrument for PCR.

[Claim 6]

A detection method of a mecA in a sample, comprising:

a PCR step of performing PCR using DNA prepared from the sample and a primer pair for amplifying the DNA; and

a step of detecting a mecA gene in the sample by detecting a mecA gene in an amplification product obtained by the PCR step or by analyzing the amplification product,

wherein the primer pair used in the PCR step is at least one primer pair selected from the group consisting of (a) below.
(a) A primer pair comprising a combination of SEQ ID NO:3 and SEQ ID NO:7, a combination of SEQ ID NO:2 and SEQ ID NO:9, a combination of SEQ ID NO:1 and SEQ ID NO:8, a combination of SEQ ID NO:1 and SEQ ID NO:9, a combination of SEQ ID NO:4 and SEQ ID NO:11, a combination of SEQ ID NO:5 and SEQ ID NO:12, a combination of SEQ ID NO:6 and SEQ ID NO:10 or a combination of SEQ ID NO:6 and SEQ ID NO:12.
[Claim 7]
The detection method according to claim 6, wherein the primer pair is a primer pair consisting of a combination of SEQ ID NO: 6 and SEQ ID NO: 10.