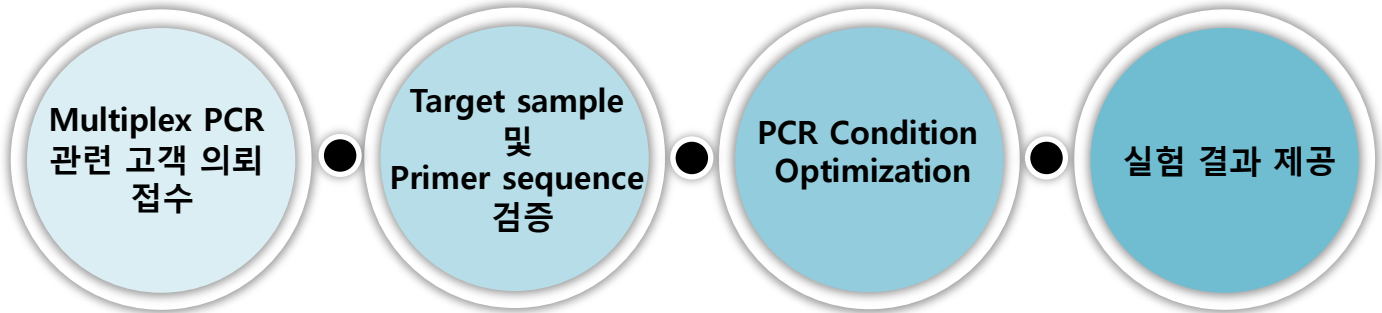


1. Experimental Procedure



2. Experimental Results

Sample type	Human genomic DNA
Sample amount	10 ng
PCR condition	Pre-denaturation : 95 °C (5min) Denaturation : 95 °C (30sec) Annealing : 62 °C (30sec) Extension : 72 °C (60sec) to 32cycles

Sample type	<i>staphylococcus aureus</i>
PCR condition	Pre-denaturation : 95 °C (5min) Denaturation : 95 °C (35sec) Annealing : 54 °C (35sec) Extension : 72 °C (35sec) to 32cycles

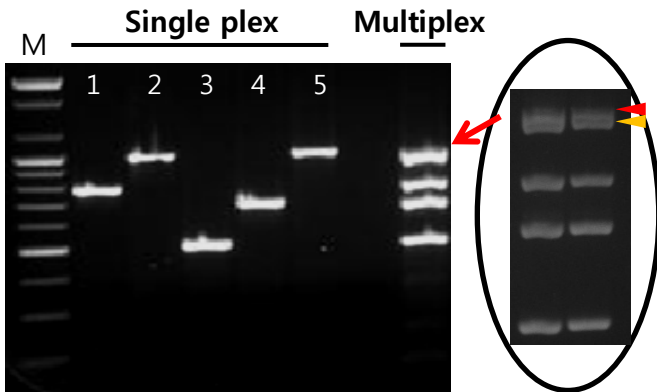


Fig 1. Agarose gel electrophoresis results of 5-plex target gene expression.

Five target gene is optimized in *AccuPower* Gold Multiplex PCR PreMix.

Lane M. D-1030, 100bp DNA ladder

Lane 1. 782 bp, Lane 2. 998 bp,

Lane 3. 502 bp, Lane 4. 668 bp,

Lane 5. 978 bp

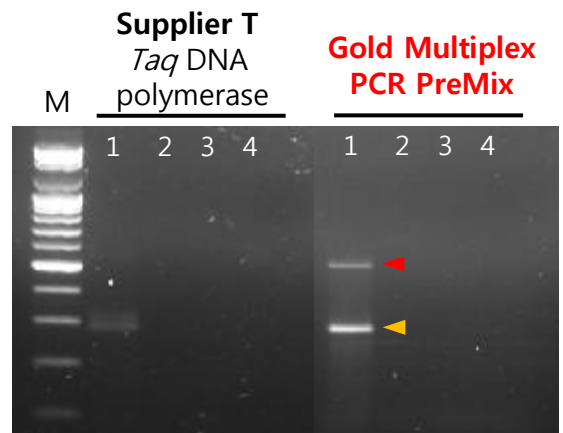


Fig 2. Agarose gel electrophoresis results of positive sample(2plex) and negative sample.

Lane M. D-1030, 100bp DNA ladder

Lane 1. Positive sample (283 bp, 520 bp)

Lane 2~4. Negative sample