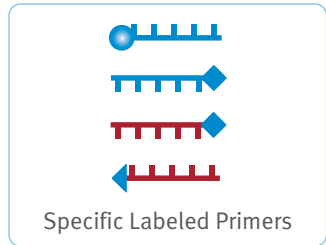


DNA Target Sequence Bacterium

+

DNA Target Sequence Internal Control

+



1

Denaturation (approx. 95°C)

DNA (double strands) are separated at high temperatures into single strands.

2

Annealing <72°C

Specific labeled primers bind to single strands.

3

Elongation 72°C

A heat stable DNA-Polymerase attaches to the bound primers and creates double strands, which are then the source for the next cycle.

DNA Target Sequence Bacterium

DNA Target Sequence Internal Control

DNA-Polymerase

e.g. 30 Cycles

