Polymerase Chain Reaction

Material

DNA polymerase (Ex Taq fromTakara)

10x Buffer

Forward primer

Reverse primer

dNTPs

Template DNA

ddH_2O

Procedure

1. Keep everything on ice.
2. Make up a master mix of everything into PCR tubes and microcentrifuge 1minites (25.0μL reaction system)

19.10μL ddH2O
2.5μL 10x Buffer(mg^{2+})
2.0μL dNTPs
0.5μL forward primer
0.5μL reverse primer
0.15μL DNA polymerase
0.25μL template DNA
-------- 25.0μL Total

3. Chose a suitable program, and adjust your annealing temperature and extention time as described below:

95℃ 5min
95℃ 30s
--℃ 30s
72℃ 1min
} 30x
72℃ 5min
12℃ ∞