

PCR

Aim of the Experiment

This experiment can be used for exponential amplification of a DNA of interest. There are different existing variations and applications of the reaction which can be used for special functions.

Materials

- 2×PfuMasterMix
- Forward primer (See list of sequences)
- Reverse primer
- template DNA

Table 1: PCR program

Step	Temperatuer	Time
Pre denaturation	94°C	2 min
Denaturation	94°C	30 s
Annealing	55-65 °C	30 s
Extend	72°C	60 s
Final Extension	72°C	5 min

Procedure

1. To a PCR tube add following reagents: Template DNA 1ul (e.g. plasmid or genomic DNA), Forward primer 2ul, Reverse primer 2ul, H₂O 30ul, 2×PfuMasterMix 25ul
-

2. The PCR program was designed according to the table 1.