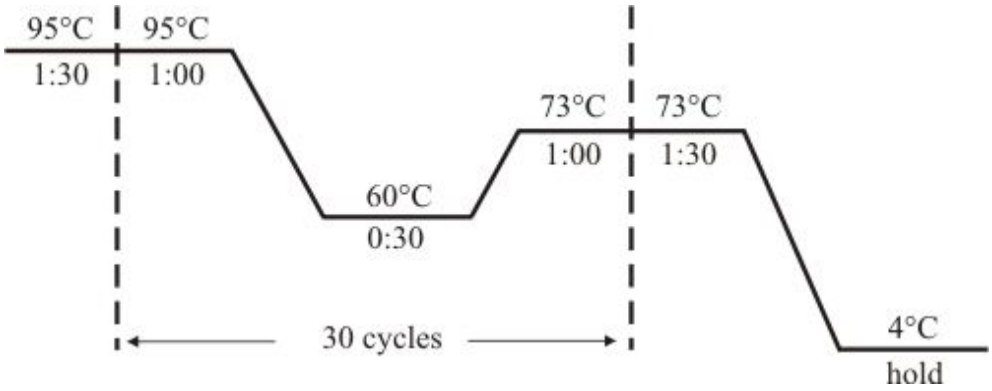
Standard PCR

0.5	µL	vector / template	(~200-500 $^{ng}/_{\mu L}$)
1	µL	forward primer	(100 $^{pmol}/_{\mu L}$)
1	µL	reversed primer	(100 $^{pmol}/_{\mu L}$)
1	µL	dNTP mix	(10 mM each)
5	µL	10x polymerase buffer	
41	µL	ddH_2O, mix well	
0.5	µL	polymerase*, mix well	
50	µL		

* for longer transcripts and high accuracy use ***Pfu* DNA Polymerase**
(Promega, M774A, 100u, 3u/µL)
for smaller transcripts or where accuracy is not so important use ***Taq* DNA Polymerase**
(Q·BIOgene, EPTQA025, 250u, 5u/µL)



- use 0.2mL thin walled PCR tubes
- adjust annealing time to your specific primer if necesarry
- adjust elongation (and final extention) time to your transcript length if necessary (rule of thumb: 1:00 for 1000bases, minimum 0:45!)
- for ***Taq* DNA Polymerase** use an elongation temperature of 72°C