Sep 20, 2019

PCR

DOI
dx.doi.org/10.17504/protocols.io.7hyhj7w

宏亮 董[1]

[1]Northeast Forest University

2019 iGEM NEFU_China
Tech. support email: **shengyiyanwork@gmail.com**

宏亮 董

DOI: dx.doi.org/10.17504/protocols.io.7hyhj7w

Protocol Citation: 宏亮 董 2019. PCR. **protocols.io https://dx.doi.org/10.17504/protocols.io.7hyhj7w**

Protocol status: Working
We use this protocol and it's working

Created: September 20, 2019

Last Modified: September 20, 2019

Protocol Integer ID: 27928

Keywords: PCR

Materials

2×high Taq Master Mix
ddH_2O
Template
F/R Primer
Bio-rad S1000TM Thermo Cycler.

Safety warnings

Please wear gloves for the experiment, don't try to touch the lid after PCR program initiation.

Before start

Synthesize primers in advance.

Before the start

1 Set up a small box with ice, put DNA and 2×high Taq Master Mix into it before going into the Bio-rad S1000TM thermocycler cycler.Set up a small box with ice, put DNA and 2×high Taq Master Mix into it before going into the Bio-rad S1000TM Thermo Cycler.

2 Add the following reagent to a PCR tube.(50 µl).

	2×high Taq Master Mix (Enzyme)	25 µl
	Template	2 µl
	Forward Primer (10 µM)	2 µl
	Reverse Primer (10 µM)	2 µl
	ddH2O	19 µl

3 Program the thermocycler as follows:

	Temperature	**Time**
	98℃	5 min
	98℃	15 s
	Tm-4℃	15 s
	72℃	(5-10s)× (1 kb)
	72℃	5 min
	4℃	∞