PCR mixture and condition (2X SUPERGREEN PCR MASTER MIX) V.1

Yin-Tse Huang[1]

[1]Kaohsiung Medical University

1

Apr 24, 2022

protocol .

Yin-Tse Huang

PCR mixture and condition (2X SUPERGREEN PCR MASTER MIX)

Yin-Tse Huang 2022. PCR mixture and condition (2X SUPERGREEN PCR MASTER MIX). **protocols.io** https://protocols.io/view/pcr-mixture-and-condition-2x-supergreen-pcr-master-b745rqy6

protocol ,

Apr 24, 2022

Apr 24, 2022

61309

1 PCR mixture for **generic primers**

A	B	C
Component	**Volume**	**Final conc.**
Template (< 1 µg)	X µL	-
Forward Primer (10 µM)	1 µL	0.4 µM
Reverse Primer (10 µM)	1 µL	0.4 µM
2x Master Mix	12.5 µL	-
ddH20	up to 25 µL	-
Total volume	25 µL	-

1.1 PCR condition for **generic primers**

A	B	C	D
Step	**Temp**	**Sec**	**Cycle**
Initial denaturation	95 ºC	180	
Denaturation	95 ºC	30	35 cycles
Annealing	53-58 ºC	30	
Extension	72 ºC	60	
Final extension	72 ºC	210	
Preservation	4 ºC	∞	

2 PCR mixture for **barcoded primers**

A	B	C
Component	**Volume**	**Final conc.**
Template (< 1 µg)	X µL	-
Forward Primer (10 µM)	5 µL	**2 µM**
Reverse Primer (10 µM)	5 µL	**2 µM**
2x Master Mix	12.5 µL	-
ddH20	up to 25 µL	-
Total volume	25 µL	-

2.1 PCR condition for **barcoded primers**

A	B	C	D
Step	**Temp**	**Sec**	Cycle
Initial denaturation	95 ºC	180	
Denaturation	98 ºC	20	35 cycles
Annealing	64 ºC		
Extension	72 ºC		
Final extension	72 ºC	210	
Preservation	Preservation	4 ºC	∞