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

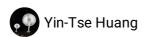
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protocol.



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

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1 PCR mixture for **generic primers**

Α	В	С
Component	Volume	Final conc.
Template (< 1 μg)	X μL	-
Forward Primer (10 µM)	1 μL	0.4 μΜ
Reverse Primer (10 µM)	1 μL	0.4 μΜ
2x Master Mix	12.5 μL	-
ddH20	up to 25 μL	-
Total volume	25 µL	-

1.1 PCR condition for generic primers



Α	В	С	D
Step	Temp	Sec	Cycle
Initial	95 °C	180	
denaturation			
Denaturation	95 °C	30	35 cycles
Annealing	53-58 °C	30	
Extension	72 °C	60	
Final extension	72 °C	210	
Preservation	4 °C	∞	

2 PCR mixture for barcoded primers

Α	В	С
Component	Volume	Final conc.
Template (< 1 μg)	X μL	-
Forward Primer (10 µM)	5 μL	2 μΜ
Reverse Primer (10 µM)	5 μL	2 μΜ
2x Master Mix	12.5 µL	-
ddH20	up to 25 μL	-
Total volume	25 μL	-

2.1 PCR condition for barcoded primers

Α	В	С	D
Step	Temp	Sec	Cycle
Initial denaturation	95 °C	180	
Denaturation	98 °C	20	35 cycles
Annealing	64 °C		
Extension	72 °C		
Final extension	72 °C	210	
Preservation	Preservation	4 °C	∞