

# Colony PCR

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## Abstract

Colony PCR using DreamTaq Green PCR mastermix (based on manufacturer ThermoFisher Scientific protocol).

**Citation:** Snehadri Sinha Colony PCR. **protocols.io**

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## Protocol

### Step 1.

For 1 PCR reaction, mix the following - multiply the amounts for the number of reactions you need, prepare 1.1x the final volume needed for your reactions:

PCR master mix	5 ul
forward primer (10 uM)	0,2 ul
reverse primer (10 uM)	0,2 ul
template DNA	-
water	4.6 ul
<b>total</b>	<b>10 ul</b>

### Step 2.

PCR cycling protocol: (Use the lower Tm value of your primer pair)

step	temperature	time	number of cycles
initial denaturation	95	3min	1
denaturation	95	30s	
annealing	Tm-5°C	30s	30
extension	72	1min/kb	
final extension	72	15min	1
hold	4	0	1