

28/06/2016

28/06/2016 12:01

Taq			0	%	Phusion		
50 uL	1X_65ul 1.5ul Mg+	1ul	x		Master Mix (no primers)	x	
Amount	Compound				Amount	Compound	
37.5 uL	ddH <sub>2</sub> O		0.75		37.5 uL	ddH <sub>2</sub> O	
5 uL	10x buffer + MgSO <sub>4</sub>		0.1		5 uL	10x buffer + MgSO <sub>4</sub>	
4 uL	dNTPs (2.5mM each)		0.08		4 uL	dNTPs (2.5mM each)	
1 uL	Pf, 10μM		0.02		1 uL	Pf, 10μM	
1 uL	Pr, 10 μM		0.02		1 uL	Pr, 10 μM	
1 uL	DNA template		0.02		1 uL	DNA template	
0.5 uL	Taq Polymerase		0.01		0.5 uL	Phusion Polymerase	
50 uL	Total		1		50 uL	Total	

**Note:** Two sets of 4x reactions: with old and new dNTPs mixes

1x	Initial Denaturation	95	C	5'
30 x	Denaturation	95	C	30"
	Annealing Temperature	57	C	30"
	Elongation	72	C	30"
1x	Elongation	72	C	7'
		4	C	inf

BesTaq			0	%	Kodak		
50 uL	1X_65ul 1.5ul Mg+	1ul	x		Master Mix (no primers)		
Amount	Compound				Amount	Compound	
22.5 uL	ddH <sub>2</sub> O		0.75		17.5 uL	ddH <sub>2</sub> O	
10 uL	5x buffer + MgSO <sub>4</sub>		0.2		25 uL	2x buffer + MgSO <sub>4</sub>	
4 uL	dNTPs (2.5mM each)		0.08		4 uL	dNTPs (2.5mM each)	
10 uL	5x Enhancer		0.2				
1 uL	Pf, 10μM		0.02		1 uL	Pf, 10μM	
1 uL	Pr, 10 μM		0.02		1 uL	Pr, 10 μM	
1 uL	DNA template		0.02		1 uL	DNA template	
0.5 uL	BesTaq Polymerase		0.01		0.5 uL	Kodak Polymerase	
50 uL	Total		1.3		50 uL	Total	