

16/09/2015

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1X_65ul 1.5ul Mg+		4 x		Master Mix (no primers)		4
Amount	Compound	Amount	Compound			
44.85 uL	ddH ₂ O	179.4 uL	ddH ₂ O			179.4
6.5 uL	10x PCR buffer	26 uL	10x PCR buffer			26
5.2 uL	dNTPs (2.5mM each)	20.8 uL	dNTPs (2.5mM each)			20.8
3.9 uL	MgCl ₂	15.6 uL	MgCl ₂			15.6
1.3 uL	Pf, 5μM	5.2 uL	Pf, 5μM			241.8
1.3 uL	Pr, 5 μM	5.2 uL	Pr, 5 μM			
1.3 uL	DNA template	5.2 uL	DNA template			
0.65 uL	Polymerase	2.6 uL	Polymerase			
65 uL	Total	260 uL	Total mm per25 ul:			60.45

Note: Primers and dNTPs are kept in 1x amount

Efficiency calculations are needed to estimate the process

28 cycles

x

65