

12/01/2016

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Additive: DMSO		0	%		
25 uL	1X_65ul 1.5ul Mg+	1ul	x	Master Mix (no primers)	
Amount	Compound			Amount	Compound
16 uL	ddH <sub>2</sub> O	0.64	144	uL	ddH <sub>2</sub> O
1.25 uL	DMSO 100%	0.05	11.3	uL	DMSO 100%
2.5 uL	10x PCR buffer	0.1	22.5	uL	10x PCR buffer
2 uL	dNTPs (2.5mM each)	0.08	18	uL	dNTPs (2.5mM each)
1.5 uL	MgCl <sub>2</sub>	0.06	13.5	uL	MgCl <sub>2</sub>
0.5 uL	Pf, 5µM	0.02	4.5	uL	Pf, 5µM
0.5 uL	Pr, 5 µM	0.02	4.5	uL	Pr, 5 µM
0.5 uL	DNA template	0.02	4.5	uL	DNA template
0.25 uL	Polymerase	0.01	2.25	uL	Polymerase
25 uL	Total	1	225	uL	Total  mm per25 ul:

Notes:		Genomic DNA BL2 tested in 16S PCR reaction, 2 types with and with no DMSO	
		94 C - 5 min	
		94 C, 45 s: 48 C, 1 min: 72 C, 2 min: 33x	
		72 C, 5 min	
		4 C, inf	
primers done from stock: 9f 400, 1492r 200: by dilution to 50			
ul	stock: uM	h2o ul	resulting uM
9f	20	400	140
			50
			160
1492r	40	200	120
			50
			160

Additive: DMSO		0	%		
25 uL	1X_65ul 1.5ul Mg+	1ul	x	Master Mix (no primers)	
Amount	Compound			Amount	Compound
17.25 uL	ddH <sub>2</sub> O	0.69	155	uL	ddH <sub>2</sub> O
0 uL	DMSO 100%	0	0	uL	DMSO 100%
2.5 uL	10x PCR buffer	0.1	22.5	uL	10x PCR buffer
2 uL	dNTPs (2.5mM each)	0.08	18	uL	dNTPs (2.5mM each)
1.5 uL	MgCl <sub>2</sub>	0.06	13.5	uL	MgCl <sub>2</sub>
0.5 uL	Pf, 5µM	0.02	4.5	uL	Pf, 5µM
0.5 uL	Pr, 5 µM	0.02	4.5	uL	Pr, 5 µM
0.5 uL	DNA template	0.02	4.5	uL	DNA template
0.25 uL	Polymerase	0.01	2.25	uL	Polymerase
25 uL	Total	1	225	uL	Total  mm per25 ul: