

# Standard PCR

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	Mg(1.5mM)	Mg(2.5mM)	Mg(1.5mM)	Mg(2.5mM)
1. 10x buf (M190G, promega):	5	5	5	5
2. MgCl <sub>2</sub>	3	5	3	5
3. DNA (miniprep):	1	1	1(1/5)	1(1/5)
4. primer1 (20 uM):	2.5	2.5	2.5	2.5
5. primre 2 (20 uM):	2.5	2.5	2.5	2.5
6. *dNTP:	1	1	1	1
7. *Tag:	0.5	0.5	0.5	0.5
8. H <sub>2</sub> O:	34.5	32.5	34.5	32.5

- Run program 10, all are good.
- Group 4 gives the best results.