

PCR for MBP-cre

PCR REACTION:

10x PCR buffer	2 μ l
MgCl ₂ 25 mM	1.2 μ l
dNTP's 2.5 mM	1.5 μ l
Primer A	5 pmol/ reaction
Primer B	5 pmol/ reaction
DNA	1-2 μ l
Taq	0.2 μ l
milliQH ₂ O	Up to volume (20 μ l)

Primer A (antisense): 5' cag-gta-tgc-tca-gaa-aac-gcc-t 3'

Primer B (sense): 5'ttc-aag-acc-cta-gga-aga-aag-c 3'

PCR CONDITIONS:

- 1) 94.0, 4 min
 - 2) 57.0, 1 min
 - 3) 72.0, 1 min
 - 4) 92.0, 30 sec
 - 5) 57.0, 30 sec
 - 6) 72.0, 1 min
 - 7) GO TO 4, for 29 cycles
 - 8) 72.0, 5 min
 - 9) 20.0, 1min
- END

PCR PRODUCT: band size 481bp