

PCR for DNAJC

PCR reaction:

10X PCR buffer	2ul
MgCL ₂ 25 mM	Depends on Taq polymerase (usually 2ul)
dNTP'S 2,5 mM	2ul
Primer A	5 pmol per reaction (1ul from 5pmole/ul stock)
Primer B	5 pmol per reaction (1ul from 5pmole/ul stock)
DNA	1ul
Taq	Variable (0.3ul)
dd.H ₂ O	Up to volume (20λ) 10.7ul

DnajcgF1a: 5'- CCC ATG CAT CCA CTC ATA CA-3'

DnajcgR1a: 5'-GTC CGA CCG TCC AGA ACC-3'

PCR conditions:

1. 94°C for 4 min
2. 94°C for 30 sec
3. 52°C for 30 sec
4. 72°C for 45 sec
5. Steps 2-4 for 35 more cycles
6. 72°C for 10 min
7. 16°C for 30 sec
8. 4°C for infinite

PCR PRODUCT: Transgene band: 525bp