

## PCR beta2m

### 1- PCR mix

2,50 µl 10X buffer(Q BIOgene ; 1,5 mM MgCl<sub>2</sub>)  
 0,50 µl dNTP (20 mM total)  
 0,70 µl primer beta2M0 (200 ng/µl)  
 0,50 µl primer beta2M4 (200 ng/µl)  
 0,20 µl primer Neo55 a (200 ng/µl)  
 0,20 µl Taq polymerase (Q BIOgene ; 5U/µl)  
 19,40 µl distilled water

### 2- PCR reaction :

24,0 µl mix  
 1,0 µl DNA (200ng/µl)

### 3- PCR program :

|       |      |           |
|-------|------|-----------|
| 5 min | 94°C |           |
| 1 min | 94°C | 35 cycles |
| 1 min | 57°C |           |
| 2 min | 72°C |           |
| 5 min | 72°C |           |

### 4- Primers:

- Primer beta2M0                    5' CTG AGC TCT GTT TTC GTC TG 3'  
 - Primer beta2M4                    5' CTT AAC TCT GCA GGC GTA TG 3'  
 - Primer Neo 55 a                    5' CCT GCC GAG AAA GTA TCC A 3'

### 5- Amplifications:

wild-type allele:    270 bp  
 mutant allele:        600 bp