

**DES PCR PROTOCOL**

Oligonucleotide Sequence: 5'  $\diamond$  3'

(188) M $\beta$ Cx7 For	GATGTGCTCCAGGCTAAAGTT
(189) M $\beta$ Cx7 Rev	AGAAACGGAATGTTGTGGAGT
(131) DES 7 For	GTGAAGATGCACACCATGTCCTCCT
(141) DES 8 Rev	ATGGGCAGGGACTTACTGTCTCCACACACGAACTG

PCR Mix:

Component	Volume ( $\mu$ L)
Tail DNA	1.00
10x Taq Buffer	5.00
10 mM dNTP Mix	1.00
25 mM MgCl	6.00
MbCx7 For	1.25
MbCx7 Rev	1.25
DES 7 For	1.25
DES 8 Rev	1.25
Taq Polymerase	0.50
ddH <sub>2</sub> O	31.50
Total	50.00

Thermocycler Profile: 24

94 C for 1 min (initial cycle only)  
 94 C for 1 min  
 60 C for 2 min  
 72 C for 1 min  
 ----- $\diamond$  x 30 Cycles  
 72 C for 8 min  
 4 C End

DES PCR Screening

Gel Analysis:

1% agarose gel  
15 $\mu$ l per lane

Expected Results:

M $\beta$ Casein Cntrl	500 bp
Transgene	880 bp