

PCR A $\beta$ <sup>o</sup>
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## 1- PCR mix

2,50  $\mu$ l 10X buffer(Q BIOgene ; 1,5 mM MgCl<sub>2</sub>)  
 0,50  $\mu$ l dNTP (20 mM total)  
 0,65  $\mu$ l primer Abeta3 (200 ng/ $\mu$ l)  
 0,50  $\mu$ l primer Abeta2 (200 ng/ $\mu$ l)  
 0,15  $\mu$ l primer Neo55 a (200 ng/ $\mu$ l)  
 0,20  $\mu$ l Taq polymerase (Q BIOgene ; 5U/ $\mu$ l)  
 19,50  $\mu$ l distilled water

## 2- PCR reaction :

24,0  $\mu$ l mix  
 1,0  $\mu$ l DNA (200ng/ $\mu$ l)

## 3- PCR program :

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

## 4- Primers:

- Primer Abeta3                      5' TTC GTG TAC CAG TTC ATG GG 3'  
 - Primer Abeta2                      5' TAG TTG TGT CTG CAC ACC GT 3'  
 - Primer Neo55 a                      5' CCT GCC GAG AAA GTA TCC A 3'

## 5- Amplifications:

wild-type allele:      230 bp  
 mutant allele:        730 bp