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| PCR CFTR |
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## 1- PCR mix

2,50 µl 10X buffer(Q BIOgene ; 1,5 mM MgCl<sub>2</sub>)  
 0,50 µl dNTP (20 mM total)  
 0,50 µl primer CF1 (200 ng/µl)  
 0,50 µl primer CF2 (200 ng/µl)  
 0,20 µl primer Neo55 a (200 ng/µl)  
 0,20 µl primer Neo55 b (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 |           |
| 1 min | 57°C | 35 cycles |
| 2 min | 72°C |           |
| 5 min | 72°C |           |

## 4- Primers:

- Primer CF1                      5' GAC ATC ACT CCT GAT GTT GA 3'  
 - Primer CF2                      5' CTG CTG TAG TTG GCA AGC TT 3'  
 - Primer Neo 55 a                5' CCT GCC GAG AAA GTA TCC A 3'  
 - Primer Neo 55 b                5' ACC GTA AAG CAC GAG GAA 3'

## 5- Amplifications:

wild-type allele:    193 bp  
 mutant allele:     411 bp