**Date:**

**CRE PCR**

Samples: _____

| **Ingredient** | **1 Reaction** | **Reactions** | **Cycles** | | |
|---|---|---|---|---|---|
| 10X Buffer(Invitrogen) | 3 ul | | 94 $^{o}$C | 3’ | |
| 20mM dNTPs | 0.3 ul | | 94 $^{o}$C | 1’ | 37 cycles |
| 50mM $MgCl_2$ | 1.2 ul | | 62 $^{o}$C | 1’ | |
| 2.5% DMSO | 0.75 ul | | 72 $^{o}$C | 1’ | |
| 100 ng/ul IDTF | 1 ul | | 72 $^{o}$C | 7’ | |
| 100 ng/ul IDTR | 1 ul | | 4 $^{o}$C | ∞ | |
| Taq Pol (Invitrogen) | 0.5 ul | | | | |
| $H_2O$ | 21.25 ul | | | | |
| Volume | 29 ul | | | | |
| **100 ng/ul DNA** | **1 ul** | | | | |
| Total Volume | 30 ul | | | | |

PCR Samples

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |