

COX 10 GENOTYPING PROTOCOL

GENE NAME: COX 10

PCR PROTOCOL NAME: COX10Delta (not COX10)

PCR REAGENTS: 10X NEB THERMOPOL PCR BUFFER
NEB THERMOPOL TAQ POLYMERASE
dNTPs (1.25 uM Standard Working Concentration)

PRIMERS: COX10Delta Forward (20uM Standard Working Concentration)
COX10Delta Reverse (20uM Standard Working Concentration)

REACTION VOLUME: 26 ul (25 ul + 1ul DNA)
Add Master Mix to DNA

Master Mix Calculator

| Component (Stock Concentration) | Single Rxn Vol (μ L) | Final Concentration | Total Volume (μ L) |
|------------------------------------|------------------------------|------------------------|----------------------------|
| Buffer Stock | 10.0 | X | 2.6 |
| dATP | 1.25 | mM | 4.2 |
| dCTP | 0.0 | mM | 0.0 |
| dGTP | 0.0 | mM | 0.0 |
| dTTP/dUTP | 0.0 | mM | 0.0 |
| Forward Primer | 20.0000 | μ M | 0.3 |
| Reverse Primer | 20.0000 | μ M | 0.3 |
| Polymerase | 5.0000 | U/ μ L | 0.2 |
| MgCl ₂ | 0.0000 | mM | 0.0 |
| Template (Vol) | 1.0000 | μ L | 1.0 |
| | 0.0 | % | 0.0 |
| | 0.0000 | U/ μ L | 0.0 |
| | 0.0000 | μ M | 0.0 |
| | 0.0000 | U/ μ L | 0.0 |
| Distilled Water | - | | 17.5 |
| Totals: | | | 26.0 |

Misc Parameters

Single Rxn Volume (μ L):

Total Reactions:

Pipetting Excess (%):

Protocols

Protocol:

Protocol Name:

Comments:

