|  |  |  |  |
| --- | --- | --- | --- |
| **Component** | **Volume per Tube (μL)** | **Volume for 5 tubes (μL)** | **Final Concentration** |
| 10x Ex *Taq* buffer | 5.0 | 25 | 1x |
| 2.5 mM dNTPs | 4.0 | 20 | 0.2 mM |
| Forward Primer\* | 2.0 | 10 | 400 nM |
| Reverse Primer\* | 2.0 | 10 | 400 nM |
| Molecular H2O | 31.75 | 158.75 | - |
| Ex *Taq* | 0.25 | 1.25 | 2.5 U |
| PCR Mixture | 45 | 225 |  |

\*Primer volumes vary depending on organism assay. Adjust the volume of molecular grade water to make the final volume 45 μL. Volumes of other components should not vary.