

PACE™ genotyping assays can be designed using our free assay design service available on the 3CR Bioscience website ([www.3crbio.com/free-assay-design](http://www.3crbio.com/free-assay-design)). The table below shows how to assemble a PACE™ genotyping assay mix from the constituent primers.

Primer	Final concentration (μM)	Vol required for 100μl assay mix (μL)
Allele-specific primer 1 – FAM (100 μM)	12	12
Allele-specific primer 2 – HEX (100 μM)	12	12
Common, reverse primer (100 μM)	30	30
PCR grade water	-	46
<b>Total</b>	-	<b>100</b>

Once the PACE™ genotyping assay mix is assembled, it should be used in the final PACE™ total reaction mix at a 72x concentration.

For guidance on how to assemble the total reaction mix, please refer to either the PACE™ Master Mix User Guide or the PACE™ Quick Reference Guide (available online at <https://3crbio.com/wp-content/uploads/2019/01/PACE-Quick-Ref-Guide-v1.3.pdf>).