

## KASP thermal cycling conditions

### 2-Step 57°C protocol

Protocol Stage	Temperature	Duration	Number of cycles for each stage
Stage 1 Hot-start <i>Taq</i> activation	94°C	15 minutes	x 1 cycle
Stage 2 Amplification	94°C	20 seconds	x 36 cycles
	57°C	60 seconds	
Optional Stage 3 (read stage for qPCR instruments only)	30°C (any temperature below 40°C is suitable for the read stage)	60 seconds	x 1 cycle

\*Please note that Stage 3 of the above program is only required if running and reading KASP genotyping reactions on a qPCR machine. If running the KASP thermal cycle program on a Peltier block or a Hydrocycler, only Stages 1 and 2 are needed although you must ensure that the reaction plates are cooled to <40°C before performing the plate read.

**For any queries about running KASP reactions in your laboratory please contact the technical support team:**

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