

KASP thermal cycling conditions

2-Step 57 °C touchdown protocol

This alternative thermal cycle programme is typically used for assays with low percentage GC content.

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 template read.




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For any queries about running KASP reactions in your laboratory please contact the technical support team at techsupport@lgcgroup.com.

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