

# → qPCR LOG

<http://www.roboklon.com/realtime>



- EXPERIMENTATOR .....
- DATE .....
- qPCR CYCLER .....
- DYES .....
- CHANNELS ..... nm
- EXPERIMENTAL DNA .....
- REFERENCE DNA .....
- PRIMERS .....
- EXP. DESCRIPTION .....
- SOP NR. / REVISION .....
- ANAL. SHEET NO. ....
- qPCR PROGRAM .....
- REFERENCE DYES .....
- DNA CONC. (RANGE) .....

COMPONENT	CONCENTRATION REACTION	STOCK	X µl PER 1 REACTION	Y µl PER ..... REACTIONS	<input checked="" type="checkbox"/> CHECK
H <sub>2</sub> O	-	-			<input type="checkbox"/>
qPCR MASTER MIX					<input type="checkbox"/>
PRIMER-PREMIX					<input type="checkbox"/>
OPT / REFERENCE DYE					<input type="checkbox"/>
OPT / UNG					<input type="checkbox"/>
TEMPLATE DNA					<input type="checkbox"/>

TOTAL Σ

$\frac{\text{REACTION CONC.}}{\text{STOCK CONC.}} \times \text{VOLUME PER REACT.} = \text{X } \mu\text{l PER REACT.}$

$\uparrow$   
 VOLUME PER REACTION

$\uparrow$   
 TOTAL VOLUME OF ALL REACTIONS

TEMP [°C]	TIME [sec]	No. OF CYCLES	qPCR STEP
			UNG ANTICONTAMINATION
			INITIAL DENATURATION
		}	DENATURATION
			ANNEALING
			EXTENSION

## qPCR QUALITY CONTROL SUMMARY

- CONTROLS**     NEGATIVE CONTROL ABSENT     POSITIVE CONTROL PRESENT
- SPECIFICITY**     MELTING CURVE ANAL. OK     POST qPCR AGAROSE GEL OK
- SERIAL DILUTIONS**     OK, AS EXPECTED     NOT AS EXPECTED

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