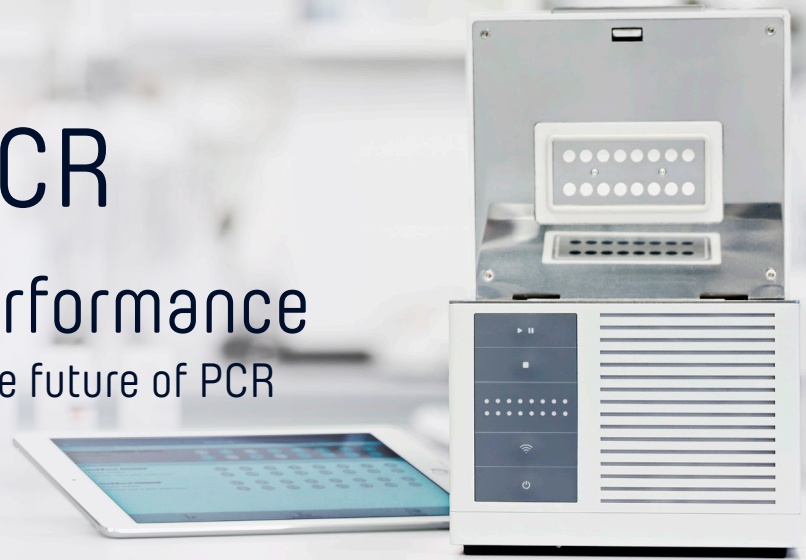


August 2017

MiniCube PCR

Amplification Performance

Individual well control is the future of PCR

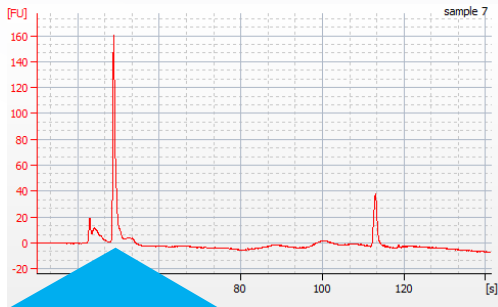


In collaboration with AAU University Hospital in Denmark we amplified the LTR gene from HIV2 with only 35 cycles and detected as little as 10 copies.

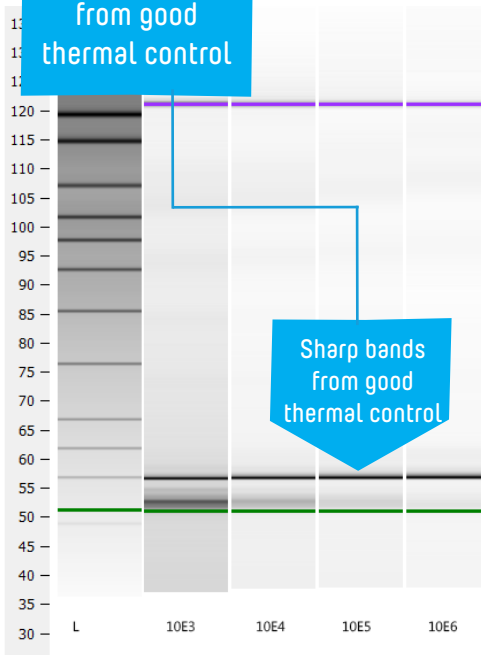
Amplification Efficiency at theoretical limit

$$N = N_0 \times (1+p)^{\text{cycles}}$$

We find $(1+p) = 2$

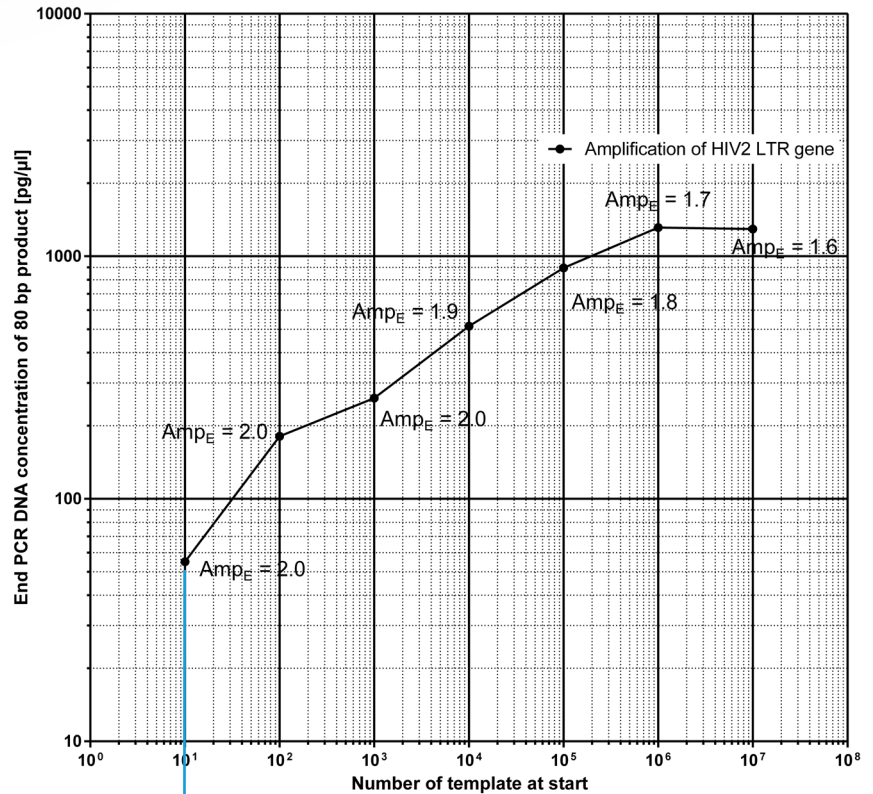


Sharp band from good thermal control



Sharp bands from good thermal control

Minicube PCR, 35 cycles
Amplification of HIV2 LTR gene



Amplification was visible of just 10 copies with only 35 cycles

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