

Did You Know...

Reduce noise in your lab!



... that the **Mastercycler® X50** undercuts the 45 dB(A) maximum value during a PCR



< 34 dB(A)

(According to DIN EN ISO 11690-1 the noise emission for tasks involving concentration should not exceed 45 dB(A))

In general, cyclers have a sound level between 50 dB(A) and 62 dB(A)



50 - 62 dB(A)*

*Source: Application Note 455 – Very Low Noise Generation of High Performing Mastercycler® X50

Save time!

If you wait 20 minutes longer for each PCR run, you spend 230 additional hours a year waiting for your results (3 PCRs a day at 230 days a year)



... that the **Mastercycler® X50** has up to 10° C/s ramp rate and can be up to 20 min faster than other cyclers in a 30 cycles protocol.



run time ~ 40 min

Other cyclers may need up to 60 min for the same protocol

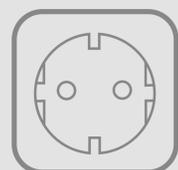


run time ~ 60 min

Read detailed technical reports about these facts and more on PC connectivity, data safety, 2D-gradient, convenience and block accuracy functionalities at: www.eppendorf.com/mastercycler



Reduce your CO₂ emissions!



...that the difference between 0.144 kWh and 0.473 kWh per PCR run resembles a difference of around 150 g of CO₂ emissions. That's enough to drive 1.5 km/ 0.9 miles with an average car. Over a year, this can add up to additional CO₂ emissions of 90 kg! (source: carbontrust.com)



... that the **Mastercycler® X50** shows with 0.144 kWh an extremely low power consumption for a PCR run.

0.144 kWh

The power consumption of other thermal cyclers can be 32-63% higher



> 0.144 kWh