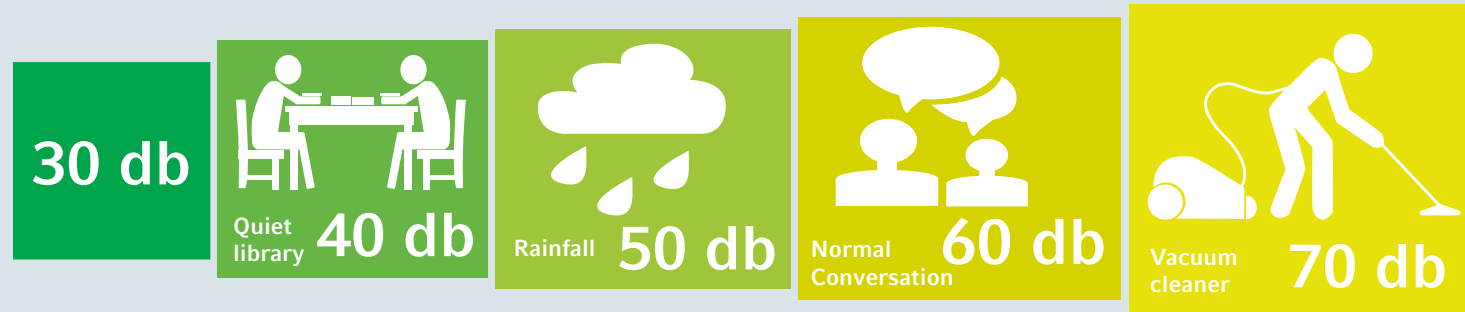


# Did You Know...



... that the **Mastercycler X50** undercuts the 45 dB maximum value

**< 42dB(A)**

(Tasks involving concentration according to DIN EN ISO 11690-1)

**Reduce noise in your lab!**

In general, cyclers have a sound level between **50 dB and 72 dB**

**50 dB - 72 dB**

(Recommendation maximum value for routine office work and industrial workplaces)



If you wait 20 minutes longer for each PCR run, you spend 200 additional hours a year waiting for your results (20 min per run; 3 PCRs a day at 200 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**

**Save time!**

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

**run time ~ 60 min**

**Reduce your CO<sub>2</sub> footprint!**

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](http://www.eppendorf.com/mastercycler)

...that the difference between 0.144 kWh and 0.473 kWh per PCR run resembles a difference of around 170 g of CO<sub>2</sub> emissions. That's enough to fill around 15 party balloons. Over a year, this can add up to additional CO<sub>2</sub> 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**