

MASTERCYCLER® X50

The new **Mastercycler X50** is the elegant synthesis of flexibility for research applications and standardization for routine applications such as food testing etc. A new highly intuitive touch screen concept puts all of those benefits always at your fingertips.

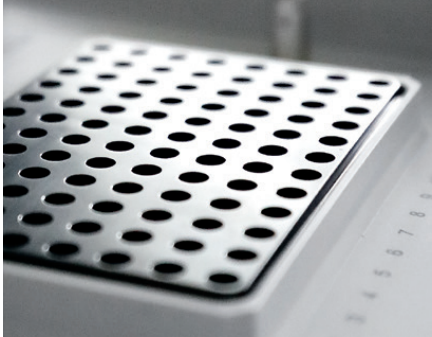


ITEM #	DESCRIPTION
EPP 6311000010	Mastercycler® X50s , Silver Block, 96-Well Plate or 0.1/0.2 mL Tubes
EPP 6313000018	Mastercycler® X50a , Aluminum Block, 96-Well Plate or 0.1/0.2 mL Tubes
EPP 6315000015	Mastercycler® X50p , Aluminum Block, 96-Well Plate, High Pressure Lid
EPP 6316000019	Mastercycler® X50h , Aluminum Block, 384-Well Plate, High Pressure Lid
EPP 6301000012	Mastercycler® X50i* , Silver Block, 96-Well Plate or 0.1/0.2 mL Tubes
EPP 6303000010	Mastercycler® X50l* , Aluminum Block, 96-Well Plate or 0.1/0.2 mL Tubes
EPP 6305000017	Mastercycler® X50r* , Aluminum Block, 96-Well Plate, High Pressure Lid
EPP 6306000010	Mastercycler® X50t* , Aluminum Block, 384-Well Plate, High Pressure Lid
EPP 6313070040	Ethernet Cable , 5m

*To operate this unit, it needs to be connected to a Mastercycler X50 s,a,p, or h. Up to 9 units can be connected to a Mastercycler X50 s,a,p, or h.

PAGE 1 OF 2

MASTERCYCLER® X50



Optimization

Eppendorf once again pioneers in the field of PCR optimization. Our innovative 2D-Gradient allows you to optimize two temperatures (e.g. denaturation and annealing) in one run while using Eppendorf's trusted SteadySlope® technology.

Speed

Take your PCR to the next level. 10°C/s heating on an open block format gives you unexpected speed. Your run times will never be the same. How fast do you dare to go?

Standardization

Temperature verification to international standards, block temperatures you can trust from well to well and run to run. These are among the many benefits we can offer, allowing your PCR assays to contribute to a trusted or even validated workflow.

Product Features

- Innovative 2D-Gradient for advanced PCR optimization
- Heating Rate: up to 10°C/s
- Wide selection of blocks from a fast silver block to 384
- Intuitive touch display
- Connect up to 10 units to a network
- Flexlid® Concept: automatic height adjustment of the lid allows you to use all types of consumables
- Small footprint
- 2-Year Warranty

Applications

- Fast PCR
- PCR Optimization
- Standard PCR
- Incubation
- Cycle Sequencing

PAGE 2 OF 2



PHONE: 800.331.2716 | FAX: 800.359.8807 | WEB: MERCEDESMEDICAL.COM

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MASTERCYCLER® PRO

Reproducibility at its best

Getting reproducible results quickly - that is vital for PCR in any application. The Mastercycler pro has been designed and developed to fulfill this requirement. The **vapo.protect®** concept reduces evaporation to a minimum. Therefore, concentrations in your PCR master mix remain consistent - minimizing non-specific binding beyond importance. The high heating and cooling rates of the Mastercycler pro S give you the speed you need. Even higher speed can be achieved with Impulse PCR, a hot-start function that increases heating rates to 8°C/s.

Stop evaporation effectively!

The flexible fit of the fluid cushion minimizes evaporation of your reaction considerably. Only 0-3% of the reaction volume evaporates using the new **vapo.protect®** technology.

Thermocyclers of other suppliers show evaporation of up to 10% in the center and up to >50% at the corner positions of the block.

Thus, the **vapo.protect®** technology leads to improved reproducibility and specificity at the rim and in the corners of the block.



Product Features

- Ultimate reduction of evaporation
- Extremely fast heating and cooling rates
- Intuitive graphic programming
- Gradient Blocks with SteadySlope technology
- Control Panel networks up to 5 units
- PC Software networks up to 30 units
- Display indicates cyclers number in a network
- 2-Year Warranty
- Optional self-test functionality

ITEM #	DESCRIPTION
EPP 950030010	Mastercycler® pro, 96-Well Aluminum Block, 110 V / 50-60 Hz
EPP 950030020	Mastercycler® pro S, 96-Well Silver Block, 110 V / 50-60 Hz
EPP 950030030	Mastercycler® pro 384, 384-Well Aluminum Block, 110 V / 50-60 Hz
EPP 950040015	Mastercycler® pro, 96-Well Aluminum Block, with Control Panel, 110 V / 50-60 Hz
EPP 950040025	Mastercycler® pro, 96-Well Aluminum Block, with Control Panel, 110 V / 50-60 Hz



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