

PCRmax Eco 48 Real-Time qPCR System

PCRmax[®] *CP*

The PCRmax Eco 48 utilises patented block and four colour optical technologies to deliver extreme speed, sensitivity and data quality run after run. With an optimised protocol as fast as 15 minutes, all using standard plastic ware and consumables, sensitivity down to 1 copy detection and the world's most accurate block. It accommodates a unique 48-well polypropylene PCR plate utilising the same geometry as standard 384-well plates, but only 1/8 of the size, this enables users to dramatically reduce the qPCR reagent volumes compared to traditional 96-well instruments, whilst still producing a strong fluorescence signal. Minimising the plate size also significantly improves thermal uniformity. A minimum volume of 5µL is validated, cutting reagent costs in half and making more efficient use of expensive and hard to acquire template DNA samples.

- MIQE compliant open licence software giving confidence when it comes to publishing your data
- HRM functionality as standard: with the ability to discriminate class IV SNP >99% of the time
- Eco 48 allows for simple multiplex analysis with up to four dyes at once
- World most thermally accurate block gives consistent data every time
- High uniformity provides high quality data
- Fast cycling enables several experiments per day, all at an economical price
- Fastest block-based real-time PCR system - 40 cycles in 40 minutes standardly and 40 cycles in as little as 15 minutes after optimisation of temperatures and hold times
- Eco 48 is an open platform that can utilise any chemistry, dye or PCR reagent
- Easy to use software, making analysis simple and fast
- Industry-leading data quality
- Eco 48 format provides a small 34.5cm x 31cm footprint to save bench space
- Supplied with dock and squeegee, EcoControl and EcoStudy software USB stick, 50 x plates, 50 x plate seals, power and ethernet cables



Code	Alt Ref	Dims (open), w x d x h, mm	Dims (closed), w x d x h, mm	Weight, kg	Price
MOL6348	93947-00	345 x 310 x 370	345 x 310 x 320	13.6	£17123.00

Accessories

Code	Alt Ref	Description	Pack	Price
MOL6350	99965-52	Eco 48 plates	50	£67.00
MOL6352	93947-99	Eco 48 plate seals	50	£77.00