



**SOLIS  
BIODYNE**

INNOVATION POWERED BY NATURE

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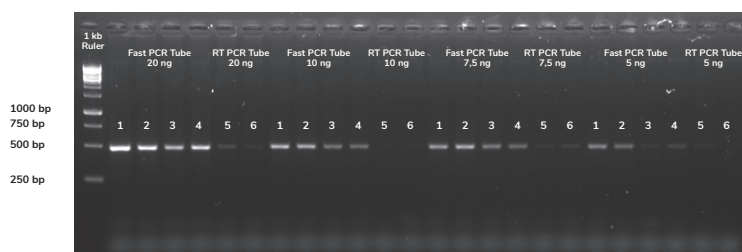
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# Cut down your PCR to 15 minutes with SolisFAST® and Mastercycler® X50s

[solisbiodyne.com](http://solisbiodyne.com)

**SolisFAST® mixes from Solis BioDyne, Eppendorf Mastercycler® X50s and Eppendorf Fast PCR Tube Strips – the key to speed and success!**

- PCR in **less than 15 minutes**
- **Exceptional sensitivity** with Fast PCR tubes
- Convenient **Ready to Load** mix
- **Unique stability** – up to 2 months at room temperature\*
- **Mix with dUTP+UNG** to prevent **carryover** contamination
- Increased **inhibitor tolerance**



**Figure 1.** Ultra fast PCR with SolisFAST® Master Mix, Ready to Load (Cat# 24-02-00001) using Standard or Eppendorf Fast PCR Tube Strips (Eppendorf, Cat#0030124901) on Eppendorf Mastercycler® X50s. Dilutions of human genomic DNA (5-20 ng in a 10 µl reaction) and 200 µM primers (each) were used to amplify a 481 bp fragment of a β-Actin gene. PCR cycling conditions: Initial denaturation – 1 min at 98 °C; 30 cycles of denaturation – 5 sec at 99 °C, and annealing/elongation – 10 sec at 70.4 °C; final elongation – 1 min at 72 °C. Lanes 1-4: technical replicates of the sample amplified using Eppendorf Fast PCR Tube Strips; lanes 5-6: replicates of the same sample amplified using standard RT PCR Tubes. Samples were analyzed on a 1.5% agarose gel. Total run time 14 min 23 sec. Experiments performed by Eppendorf

Request a **FREE SAMPLE!**

World-wide **ice-free shipping**

Product	CAT. NO.	VOLUME	20 µl RXN	10 µl RXN
SolisFAST® Master Mix	24-01-00001 24-01-00001-5	1 ml 5 x 1 ml	250 rxn 1250 rxn	500 rxn 2500 rxn
SolisFAST® Master Mix, <b>Ready to Load</b>	24-02-00001 24-02-00001-5	1 ml 5 x 1 ml	250 rxn 1250 rxn	500 rxn 2500 rxn
SolisFAST® Master Mix with UNG	24-21-00001 24-21-00001-5	1 ml 5 x 1 ml	250 rxn 1250 rxn	500 rxn 2500 rxn
SolisFAST® Master Mix with UNG, <b>Ready to Load</b>	24-22-00001 24-22-00001-5	1 ml 5 x 1 ml	250 rxn 1250 rxn	500 rxn 2500 rxn

\* SolisFast® Master Mixes are stable for 2 months at 25 °C, and SolisFast® Master Mixes with UNG are stable for 1 month at 25 °C.

# The Next Stage

Take your PCR to the next level. 10 °C/s heating on an open block format gives you unexpected speed with the Mastercycler® X50s. How fast do you dare to go? Boost your PCR results by combining SolisFAST® Master Mix enzymes with Mastercycler X50 and the corresponding fast PCR tubestrips to go down to a total runtime of only 15 minutes, even with Multiplex PCR.

**Network like a pro**  
Control up to 10 cyclers without a PC or additional hardware and up to 50 cyclers using a PC.

**2D-Gradient**  
Two gradients in the same run allow you to optimize the annealing and the denaturation temperature in parallel.

**Touch screen interface**  
Intuitive and quick programming from the beginning

**Fast ramping**  
With block heating rates of up to 10 °C/s, you will have unrivalled speed at your disposal. Use it for the advancement of science.

**Quiet like a whisper**  
The Mastercycler X50 is designed to be impressively quiet – even during extensive cooling steps.

**Dynamic homogeneity**  
Individual control of all six peltier elements allows optimal heating conditions.

**Small footprint**  
Ventilation from front to back contributes to the small footprint of the Mastercycler X50.

**In good company – high quality consumables**

A fast enzyme and a fast thermal cycler are nothing without fast PCR consumables. Optimal heat conduction by our thin walled, yet stable fast PCR tubestrips allow speeding up your PCR protocol.

Order Information	Order No. International
<b>Mastercycler® X50s</b>	6311000010
<b>Eppendorf Fast PCR Tube Strips, 0.1 mL, without lids</b>	0030124901
<b>Eppendorf Fast PCR Tube Strips, 0.1 mL, with cap Strips, flat</b>	0030124910
<b>Eppendorf Fast PCR Tube Strips, 0.1 mL, with cap Strips, domed</b>	0030124928

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