

Fast Track

DIAGNOSTICS

A Siemens Healthineers Company

Molecular Diagnostics solutions

Fast Track cyclers Real-time PCR thermocycler

Fast Track Diagnostics introduces Fast Track cycler, the ultimate performance for your true positives and true negatives, fully tailored to the Fast Track lyophilised kits.

- » Accurate
- » Simple
- » Compact
- » Reliable



Cutting-edge technology

Fast Track cycler (FTC) uses magnetic induction technology leading to robust and reproducible results. The rotor is surrounded by the induction coil, when activated only the rotor gets hot. Magnetic induction provides a rapid uniform heating and a very efficient cooling. Thanks to the spinning rotary “block”, it does not age and does not drift thus no calibration or maintenance are required.

Features

- > **Flexibility:** tailored to the Fast Track lyophilised line, the largest range of syndromic real-time PCR multiplexing assays
- > **Lyophilised technology:** all the reagents required (primer, probe, enzyme and buffer) are included in a single patient tube
- > **Fast and easy:** one pipetting step, simply add nucleic acid extract and start your run
- > **Fully pre-configured:** PCR profile template and assay plugins already included in the cycler software
- > **Maintenance-free:** no calibration or reference dyes required
- > **Scalable:** connect up to 10 FTC to one computer

Fast Track Diagnostics solutions

Nucleic acid
extraction



Compatible with more than
18 extraction methods*

Just add extract



FTlyo kits**

Amplification
Detection



Fast Track cycler

Analysis



Fast Track cycler
software

*Consult FTD compatibility list to find out more about the compatible extraction methods

**Consult FTD website to check the FTlyo portfolio

Fast Track cycler

Real-time PCR thermocycler

» Physical	Dimensions Weight	130x150x150 mm 2 kg
» Electrical	AC Input	100-240 VAC; 50/60 Hz
» Connectivity	Connection methods	Bluetooth® USB cable
» Thermal performance	Temperature accuracy Temperature uniformity Ramp rates Temperature Input Range	± 0.25°C ± 0.05°C 4°C/s (Heating) / 3°C/s (Cooling) 35-99°C (min 40°C when cycling)
» Optical	Detectors Excitation sources Channels Acquisition time	High sensitivity photodiode per channel High energy light emitting diode per channel Green: Ex. 465 nm / Em. 510 nm Yellow: Ex. 540 nm / Em. 570 nm Orange: Ex. 585 nm / Em. 618 nm Red: Ex. 635 nm / Em. 675 nm 1 s
» Reaction vessels	Reaction per instrument Volume range FTIyo reaction volume	48 5-30 µl 15 µl
» Operating environment	Temperature Relative humidity	18-30°C 20-80%
» Software	Features	Qualitative analysis Absolute quantification Free of charge for all FTC users
» Warranty	Included Extension	12 months Please contact your local representative



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