

FaSTARamp96

Real-time PCR System



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LiliF® Diagnostics' 'FaSTARamp96 Real-time PCR System' is a 96 Wells & 5-Target multiplexing device with independent temperature control technology. We provide the automated solutions you need to obtain accurate and reproducible results. Easy control through the user-friendly built-in color touch screen (10.4 inches). You can use various functions that increase the convenience of experiments, such as main unit operation, PCR step mode, power outage protection function, built-in hot lid, and network control.

Specification

Parameter		Specification
Basic	Model	FaSTARamp96 Real-time PCR System
	Cat. No.	IMC-FAST-A96
	Throughput	96 wells
Optical System	Excitation & Detection	6 Filtered LEDs & 6 Filtered photodiodes
	Channel & Compatible Fluorophores	6 Channel C1 : FAM, SYBR Green I, LC Green, Eva Green, SYTO 9 C2 : HEX, TET, VIC, JOE 3 C3 : Texas Red, ROX C4 : Cy5 C5 : Alexa Fluor 680 C6 : FRET probe
Module	Detection Duration	Detection of 96 wells of all channels completed in 7s.
	Lightsource	High-brightness, long-life, maintenance-free LED light source
	Detector	Photodiodes(PDs), excitation, and scan at the top
	Temperature Accuracy	≤ 0.1℃
	Average Heating Ramp	≥ 4.5℃/s
	Max Heating Ramp	≥ 6.1℃/s
Special Temperature Protocol	Support PCR assays of up to 12 thermal gradients, Long PCR, Touch Down PCR	
Function	Control Mode	Stand-alone operation: 10.4-inch touchscreen control Network operation: PC software control via direct connection or LAN (local area network)
	Power Failure Protection	Automatically start running experiments after power supply, no need wait PC software
	Data Storage	Upload and download through USB Disk, > 1000 results can be stored in machine
	Reporting Function	Templates reserved, customized experiment report
Others	Power Supply and Consumption	AC 100~240V, 50/60Hz, 900VA
	Dimension(W x L x H) / Weight	350 x 485 x 500mm / 29.4kg
	Suitable Consumables	0.1 & 0.2 ml 96-well plate, 8-tube strips, single-tube strips (transparent, matte, and creamy)
Environment	0.1℃~30℃; 0%~85%, non-condensing; 0m - 2000m, 85.0kPa~106.0kPa	

Feature

Main unit operation



It has a 10.4-inch built-in color touch screen, so it is very easy to operate and can be operated independently of the computer.

Built-in Hot Lid



It has a constant pressure and a built-in hot lid to prevent dangers that may occur due to direct contact by the user.

PCR Step mode



It can be performed by providing various PCR step modes such as touchdown, long gradient and melting step.

Network control



10 units can be connected to one PC at the same time and remotely controlled to realize centralized control

Independent temperature control



Optimized PCR is realized through independent temperature control of the heating block and control function

Power failure protection function

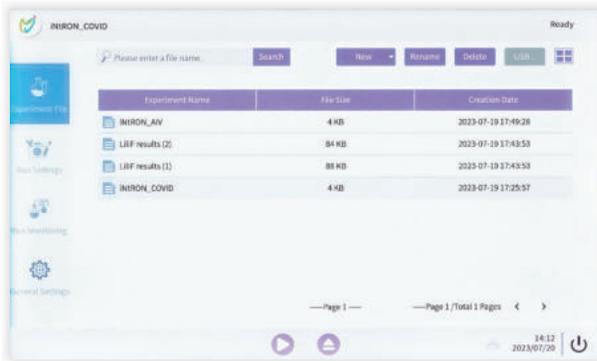


The contents of the experiment in progress are automatically saved when the power is cutoff

Stand-alone Operation of FaSTARamp96

Main Interface

Software main interface is consisted of status bar, menu bar, main operation area and information & shortcut keys



Run Editor

User can set temperature, cycle, reaction system, hot lid and fluorescence in run editor interface



Convenient PCR Configuration Setting with Preset Stage

Preincubation



Reverse Transcription



2 Step Amplification



3 Step Amplification



Melting



Continuous Melting



Cooling

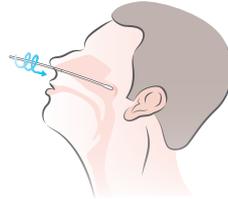


Custom Stage



LiliF® Diagnostics Full Automation System

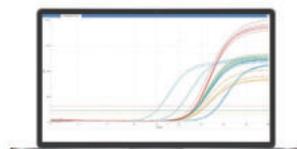
LiliF® Diagnostics provides a 'total solution for molecular diagnosis', from automated nucleic acid extraction systems to result analysis software. LiliF®'s automated nucleic acid extraction equipment FaSTARprep96 Automated Nucleic Acid Extraction System and dedicated extraction kit FaSTAR-XT Easily obtain high-yield and pure products. Real-time PCR equipment FaSTARamp96 Real-time PCR System is together with LiliF® Real-time PCR Kit It can be applied to various diagnostic fields such as human disease, animal disease, mycoplasma contamination monitoring, and food safety, and anyone can obtain optimal results accurately and quickly.



Product	Cat. No.	Size	Description
FaSTARprep96 Automated Nucleic Acid Extraction System	IMC-FAST-P96D	System	Autoprep
FaSTAR-XT PGS DNA/RNA Kit	17602-96	96 tests	Extraction Kit



Product	Cat. No.	Size	Description
FaSTARamp96 Real-time PCR System	IMC-FAST-A96	System	Real-time PCR Machine
LiliF® Real-time PCR Kit Series [Human, Veterinary, Mycoplasma, Food Safety, etc]			





it is LiliF®

LiliF® Diagnostics, which encompasses
humans and animals and covers state-of-the-art
molecular diagnostics(MDx) and rapid diagnostics(RDT)
provides Relief and Belief to our customers.

