



# ViPlex Fluor

## Real-Time PCR System



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Orchestrating qPCR with optimum performance & confidence



The ViPlex Fluor Real-Time PCR System is compact and precise real-time PCR instrument that delivers optimal thermal performance and produces accurate, reliable data. Maximum 2x16-well samples can be run in two different protocols on two independent thermal blocks simultaneously. The system is built for labs that require superior performance and dye versatility.

The exceptional block temperature control and fast temperature ramp rates allow you to save time with optimized protocols. The user interface is easy to navigate on the 7-inch TFT touch screen. The ViPlex Fluor Real-Time PCR System is an excellent instrument for wide range of applications such as gene expression analysis, pathogen detection, genotyping and food safety.



### Applications

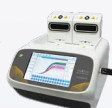
- Pathogen/disease detection
- Meat identification
- Gene expression analysis
- Genotyping/allelic discrimination
- Genetically modified organism (GMO) detection

### Features

#### Versatile



Powerful, four-channel platform is calibrated for the widest range of dyes available: FAM™/SYBR Green; VIC®/HEX™/TET™/JOE™; ROX™/Texas Red® and Cy5™/CY5.5™/LC Red dyes



#### High Consumables Flexibility



Universal block for clear 0.2ml flat PCR tubes or 0.2ml 8-tube flat PCR strip



#### Advanced Software Analysis



Powerful software enables multiple analyses such as quantitative analysis, melting curve analysis, genotyping, absolute/ relative quantification

#### Safe



Safety features such as over-temperature, over-current and power-off data self-recovery giving you a piece of mind

#### Long-lasting



Long-lasting LEDs and solid-state components deliver optimal reliability, sensitivity and accurate results

#### Flexible Data Export



Easy result export via USB flash drive





## Features

### Fast



Fast thermal cycling with maximum ramp rate of 5°C/sec

### Quick and Easy Set Up



Quick installation and factory-calibrated optics enable system set up effortlessly



### Small Footprint



Ventilation from front to back allows small footprint. No additional space is required for ventilation on either side of the cyclers, saving precious lab bench space



### Large Capacity Flash Memory



Able to store up to 40,000 experimental data with 20GB flash memory

### Hot Lid SafeLock Technology

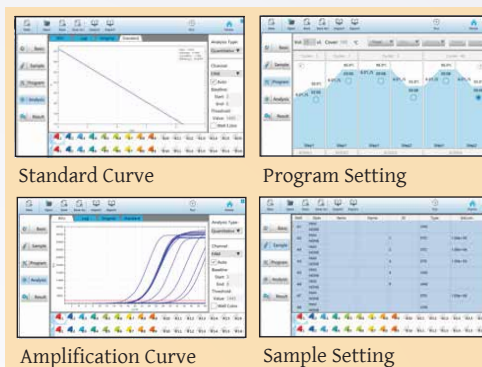


The electromagnetic cover lid designed with SafeLock technology prevents hot lid from accidentally open

### Touch Screen Interface



Intuitive 7 inch TFT touch screen interface allows quick and easy navigation and program setting



## Technical Data

Specifications	ViPlex Fluor Real-Time PCR System
Sample capacity	32 x 0.2ml (2 x 16 well, dual block)
Consumables	Clear 0.2ml flat PCR tubes/ 8-tube flat PCR strips
Reaction volume	10 - 100µl
Light source	LED
Detector	High sensitivity photoelectric detector
Temperature control technology	Marlow customized Peltier
Block material	Aluminium
Ramp rate (max.)	5°C/s
Temperature uniformity	±0.25°C
Temperature accuracy	±0.25°C
Temperature range	0 - 100°C (resolution 0.1°C)
Hot lid temperature	30 - 110°C (adjustable, default 105°C)
Temperature control	Block/tube
Multiplexing	F1: FAM™/SYBR Green F2: HEX™/VIC®/JOE™/TET™ F3: ROX™/TEXAS-RED® F4: Cy5™/CY5.5™/LC® RED
Excitation wavelength	460 - 650nm
Emission wavelength	500 - 720nm
Display	7-inch color TFT touch screen, 1280 x 800 pixels
Communication ports	USB 2.0
Power supply	DC15V 255W
Voltage	220VAC 50Hz
Dimension (W x D x H)	300 x 267 x 198 mm
Weight	6.7 kg



### Ordering information:

Catalogue No.	Description
MC40324	ViPlex Fluor Real-Time PCR System, 2 x 16 x 0.2ml block, 4 channels