ViPlex Fluor Real-time PCR System

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 2×16-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

Advanced Software Analysis

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

Long-lasting

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

High Consumables Flexibility

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

Safe

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

Flexible Data Export

Easy result export via USB flash drive

www.vivantechnologies.com

Pairing Nature with Scientific Discoveries

For research use and for use in diagnostic procedures.

IVD

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 foot print. No additional space is required for ventilation on either side of the cycler, saving precious lab bench space

Large Capacity Flash Memory

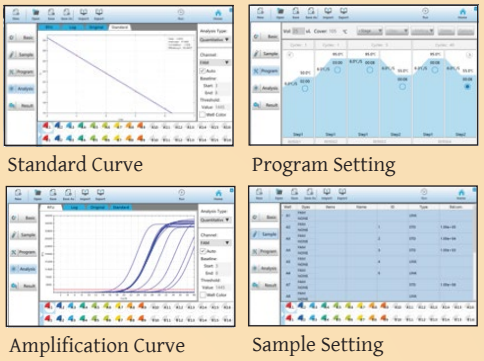
Able to store up to 40,000 experimental data with 20GB flash memory

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



Standard Curve | Program Setting

Amplification Curve | Sample 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 × 267 × 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

Vivantis Technologies Sdn. Bhd.
Vivantis Technologies

General Enquiries: info@vivantechnologies.com
Technical Support: vivalab@vivantechnologies.com