

Fascan 48E

Multi-channel fluorescence quantitative analyzer

Ensure accurate detection for guiding personalized medicine



The Tianlong Fascan 48E Multi-channel fluorescence quantitative analyzer is easy to operate with a 7-inch color LCD touch screen. It is designed for compatibility with Tianlong pharmacogenomic reagents for personalized medicine. With advanced temperature control system and fluorescence detection technology, Fascan 48E can provide fast and accurate results to help treatment in clinical practice.

FEATURES

- Instant result analysis**
 Compatible with Tianlong pharmacogenomic reagents to ensure results accuracy; Detection directly after sample collection and report in about 70 min.
- 48 samples to be scanned in 2s**
 With 4 fluorescence channels to detect multiple targets; 2s for all 48 wells of fluorescence scanning, which improves efficiency for lab professionals.
- Efficient temperature control**
 Temperature control ranges from 40.0°C~99.0°C with temperature accuracy ≤ 0.3 °C (40.0°C~99.0°C) and ≤ 1 °C (4.0°C~39.9°C).
- Intuitive software design**
 Intuitive software design and user-friendly interface make it easy to operate even for first-time users. With remarkable software for automatic interpretation of results; Reports are easy to read.
- User-friendly and convenient**
 1) Two configurations: 7-inch LCD touchscreen operation or PC software control via connection; 2) Noise-free design with running noise ≤ 65 dB; 3) Power failure protection design.

SPECIFICATIONS

Model	Fascan 48E
Throughput	48
Fluorescence Channels	4
Fluorescence Scanning Time	2s
Dye Compatibility	Channel 1: FAM, SYBR Green I, etc. Channel 2: HEX, VIC, TET, JOE, etc. Channel 3: Texas Red, ROX, etc. Channel 4: Cy5, etc.
Lightsources	High-brightness, long-life, maintenance-free LED light source
Detector	Photodiode (PD)
Temperature control range	From 4.0°C to 99.0°C
Accuracy of Thermal Control	≤ 0.3 °C (40.0°C~99.0°C); ≤ 1 °C (4.0°C~39.9°C)
Sample Testing Repeatability	CV \leq 0.5%
Sample Testing Linearity	r \geq 0.990
Control Modes	Mode 1: 7.0 inch touch screen Mode 2: PC software
Data Storage and Transmission	Up to 1000 programs can be stored in machine
Power Failure Protection	Automatically start running experiments after power supply
Communication Specification	Network port: TCP/IP protocol; Ethernet connection;
Suitable Consumables	 0.2ml transparent single tubes  0.2ml transparent 8-strip tubes
Instrument Dimensions	400mm(L)x260mm(W)x260mm(H)
Weight	11kg
Power Supply and Power Consumption	AC 220V \pm 10%, 50Hz; 600VA
Running Noise	\leq 65 dB

Assay Workflow

