OSIS Instrument Solutions 003023748-K
No. 8, Jalan Waterfall 1
48000, Rawang, Selangor
Tel: 012-2919329
Email: osis.instrument@gmail.com
Web: www.osis-instrument.com

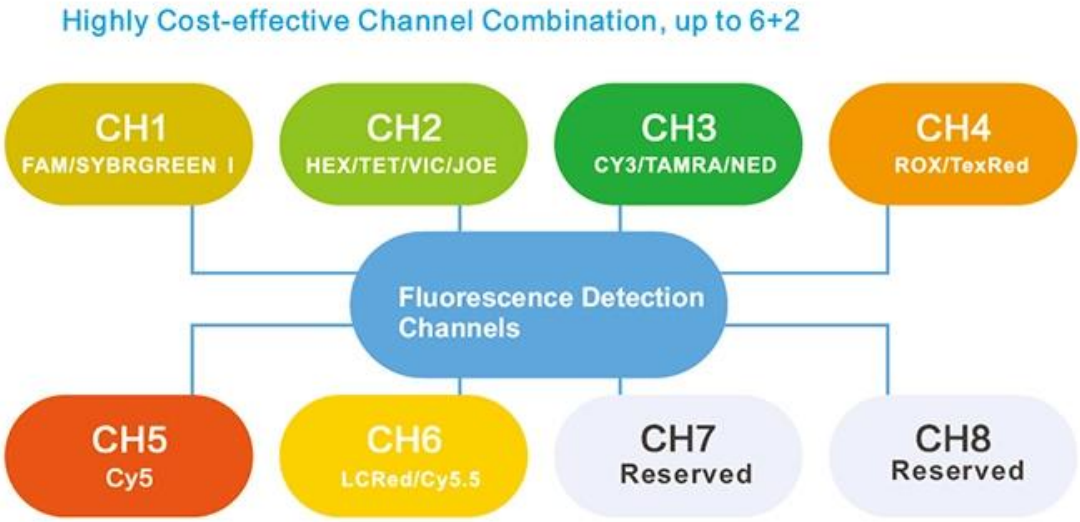
Real Time PCR Detection System 4800 Series

Overview

Based on real-time fluorescence quantitative polymerase chain reaction technology, the product can be widely used in researches such as immunology, human genome engineering, forensic medicine, oncology, histology, population biology, paleobiology, zoology and botany, and in clinical diagnostics of viruses, tumours and hereditary diseases, etc. Wide range of applications in healthcare, farming, new drug R&D, reagents R&D for clinical diagnosis, animal disease detection and food safety, etc.

Features:

- Budget flexibility, upgradable to 2 or 3 detection systems with 96/144 sample throughput without space increase
- Independent or simultaneous testing of different samples optional if upgraded
- Highly cost-effective channel combination, up to 6+2
- Automatic sample inlet and outlet as well as automatic hot lid
- Wireless real-time remote control and analysis
- Positive detection rate analysis and early warning of laboratory pollution



OSIS Quality & Reliability

Technical parameters:

Sample capacity	48*0.2ml, adaptive to 8-well strip tubes
Reaction volume	5-100μl
Fluorescence channels	Up to 6+2 channel combination
Gradient temp. range	4-100℃
Ramp rate	≥6.5℃/s
Temperature uniformity	±0.1℃
Temperature accuracy	±0.1℃
Hot-lid temp. range	30-110℃
Test dynamic range	10^0-10^{10}
Fluorescence intensity detection	CV≤0.5%
Sample linearity	r≥0.999
Communication interface	USB 2.0
Input power	100-240V, 50/60Hz, 500-1500VA

Product Application