

Fluorescent Quantitative PCR Detection System



MSLEIAX4SWISS Fluorescent Quantitative PCR Detection System: Specification:

- **Model:** MSLEIAX4SWISS
- **Sample Capacity:**
 - 96*0.1ml PCR plate
 - 12*8-strip tubes
 - 96*0.1ml single tube (Transparent cover)
- **Reaction System:** 10~50?l
- **Dynamics Range:** 1~10^{1?} copies
- **Channel:** 4
- **Emission Light Source:** LED
- **Detector:** MPPC (Multi-Pixel Photon Counter)
- **Detection Path:** F1 F2 F3 F4
- **Suitable Probe/Dye:**

- FAM/SYBR GREEN
- VIC/JOE/HEX/TET
- ROX/TEXAS-RED
- Cy5
- **Excitation Wavelength:** 455~680nm
- **Detection Wavelength:** 510~730nm
- **Fluorescence Detection Repeatability:** CV ?2%
- **Fluorescence Detection Accuracy:** CV ?3%
- **Fluorescence Detection Linearity:** r ? 0.995
- **Module Temperature Range:** 4~99? (Resolution: 0.1?)
- **Ramp Rate:** 5.0?/s (Max)
- **Temperature Accuracy:** ±0.3?
- **Temperature Uniformity:** ?±0.3?
- **Temperature Control Mode:** Block mode
- **Gradient Temperature Range:** 1~36?
- **Hot-lid Temperature Range:** 100?, automatic hot-lid
- **Scanning Mode:** Full plate scanning
- **Programming:** Max 100 segments per program, max 99 cycles
- **Operation Mode:** Continuous
- **Scanning Time:** 8.5s
- **Special Functions:**
 - Absolute quantitative automatic analysis
 - Relative quantification
 - SNP analysis
 - Melting curve analysis
- **Operation System:** Microsoft Windows 10
- **Power Supply:** 220V, 50 Hz
- **Port Method:** USB Port

This system is designed for high-performance fluorescence quantitative PCR detection, offering precise temperature control, rapid scanning, and multiple analysis modes for various molecular biology applications.