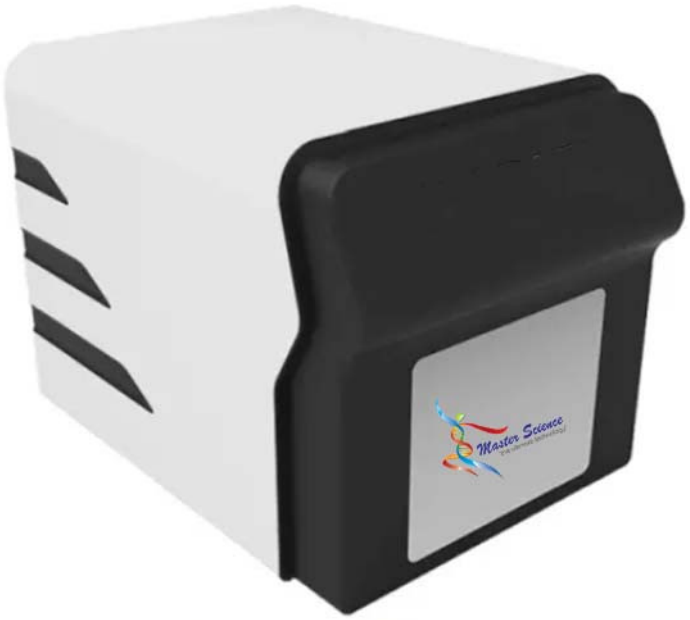
Fluorescent Quantitative PCR Detection System



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**: 1~10¹? copies
- **Channel**: 4
- **Emission Light Source**: LED
- **Detector**: MPPC (Multi-Pixel Photon Counter)
- **Detection Path**: F1 F2 F3 F4
- **Suitable Probe/Dye**:

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    - 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.

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