



ECLIA Analyzer — Model MPC-1

The MPC-1 is YDME's first generation of semi-automatic microplate readers. Its high sensitivity and linear range make it more stable and technologically mature. In addition, it is more accurate and safer to use than radioimmunoassay and enzymatic testing. The semi-automatic ECLIA System achieves results comparable to more expensive, fully-automatic systems provided by international players, but at a lower cost.

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Components

- ◆ Microplate Single Photon Counter
- ◆ PC and Monitor
- ◆ IC Card Reader

Parameters

| | |
|---|---|
| Detection Mechanism | ECLIA |
| Substrates | Enhanced Sensitivity Enzymatic Chemiluminescence Substrate |
| Sensitivity | 10^{-19} |
| Linearity Scope | $500 - 1.8 \times 10^6$ RLU/Sec* |
| Stability | CV \leq 3% |
| Repeatability | CV \leq 3% |
| Voltage | AC 230V 50/60HZ |
| Power | 220VA |
| Size (L x W x H) | 455mm x 340mm x 195mm |
| Weight (Main Frame of Luminescence Instrument) | 12 Kg |
| Background Noise | \leq 100RLU/Sec |
| Operating Environment | a) Temperature: 5°C - 40°C b) Relative Humidity: < 80°C c) Warming Up: \leq 20min |

*RLU (Relative Luminescence Unit): 1 RLU is equal to 10 photons

Features

- ◆ Integrated Solution
- ◆ Friendly Bright Genius™ Software
- ◆ Easy Operation
- ◆ Intuitive Interface
- ◆ Unique Detection Technologies
- ◆ High Sensitivity and Accurate Results
- ◆ Improved Safety