



**MicroMedica[®]
Laboratories**
Improving Lives Together

Fully Automatic Biochemistry Analyser (MML-FA-200)





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A Revolutionary Automatic Biochemistry Analyzer with

- Compact design : 565mm X 415mm X 350mm
- Easy to carry : net weight <23kg

Optimal Substitution of Semi-Auto Biochemistry Analyzer

- Minimal labor required
- Independent mixing probe
- Utility of reagents decreased : 300ul/test
- Efficiency speed : 200 tests/hour
- User friendly : Smart and easy-operating software
- High Accuracy : Minimal operating/random errors
- High reputation from clinics

System Functions

- Analysis Method : End-Point, Kinetic, Two-Point, Double-Reagent, Double-Wavelength, Multi-Standard etc, open to various reagents

Sample/Reagent Handling

- Sample volume : 2-50ul, 0.1 ul step
- Sample Dilution : Automatic/Manual pre-dilution, with dilution ratio up to 1:20
- Reagent Position : 40 pcs (With refrigerated function, 2-8°C)
- Reagent Volume : 10-300, 0.1 ul Step

Reaction System

- Reaction Cuvette : 60 disposable plastic units
- Optical Length of Cuvette : 5mm
- Reaction Volume : 120-300 ul
- Reaction Time : 3-10 minutes
- Reaction Temperature: 37±0.10°C

Optical System

- Light Source : halogen -tungsten lamp
- Wavelength : 300-800nm, 9 wavelengths, precision
- Absorbance Range : 0-3.0 Abs
- Resolution : 0.0001 Abs
- Rear Spectrophotometry

Calibration

- Calibration : Linear/Non Linear multi-point calibration
- Re-test : retest the sample automatically when the result is out of the linear range or the sample is not sufficient

Working Condition

- Power Supply :-100-240V, 50/60Hz. <350W
- Temperature : 10-35°C
- Humidity < 90%. no dew

Operation System

- Windows 7 or Higher

Input and Output

- Input : RS-232 Interface / Computer
- Output : Printout



Technical Specifications

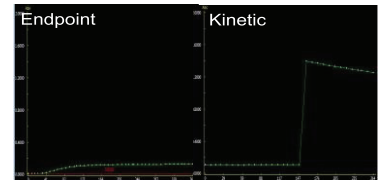
Optimum Calibration Cuvette

- 40 pcs sample position
- Reagent refrigerated function
- 40 pcs reagent position



Optimum Calibration Cuvette

- Automatic Cuvette blank testing
- Automatic wash selected cuvettes



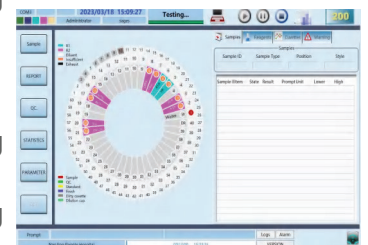
Reaction Cuvette

- 60pcs disposable plastic cuvettes
- Automatic blank testing for cuvette
- Colorimetry system in the pattern of light splitting behind cuvette
- Dismountable, easily replacement



Dynamic and Real-time display of running status

- Real-time online monitoring running status of sample tray, reagent tray and cuvette
- Real-time online monitoring reagents residual volume
- Real-time online monitoring waste volume



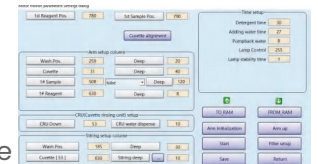
Sample/Reagent Probe

- Automatic liquid level detect
- Collision protection function
- Probe internal/external washing
- Clot detection function



Automatic Dilute and Re-test

- Automatic dilute and re-test when absorbance range is out of range
- Automatic dilute and re-test when linear limit is out of range
- Automatic dilute and re-test when linear range is out of range
- Freely set the auto dilute ratio and dilute water position



7-Step Auto Cleaning System

- Automatic 7-step washing
- Hi-tech washing station to ensure accurate results
- With low water consumption: 0,5 L/h



Intellective Software

- Automatic washing cuvette when startup & shut down
- Automatic detect reagent volume during every startup
- Reagent plate temperature detecting when startup

