



MICROPRO™ MIC

Minimum inhibitory concentration Test

KEY FEATURES

- AST & MIC testing and reporting within 5-10 hours
- Prefilled panels with antimicrobial concentrations
- ASTRA software platform for reporting of results
- Rapid Results with marked accuracy and reliability

TECHNICAL SPECIFICATIONS

Physical Instrument Specifications	
Weight (net)	6.2 kg
Overall Dimensions	454mm (L) X 295mm (W) X 146mm (H)
Power Supply	Voltage: A.C.110V ~ 220V
Frequency	50/60Hz
Fuses:	T3.15A, L250V
Working & Storage Condition	
Work Environment	Temperature 0-40°C ; Humidity ≤85%
Store Environment	-10 ~ 40°C ; Humidity ≤85%
General Specifications	
Operating Panel & Display	Separate PC with Windows based Operating System Required
Self-Test	Yes, checks filter disk, plate transport, electronics, main PC board, battery & memory.
Reading speed	Step by Step Mode < 10s
Warm up time	Up to 60 secs
Compatible Plates	Polystyrene flat bottom plates, 8 & 12-well strip plate.
Printer	External to be connected with PC.
Store content	Unlimited in Computer Software
Interface	RS-232C serial interface.
Optical Specifications	
Lamp	OSRAM64255, 6V / 20W
Spectral Range	400 - 700 nm
Photometric methods	Single & Dual.
Abs range	0 - 3.500 A
Filter Capacity	8 interference filters
Photo-detectors	Silicon photodiode detectors for measurement.
Light Source	Tungsten Halogen, 6V / 20W
Technical Specifications	
Measurement Range	0.000 to 3.500A
Linear Measurement Range	0.000 to 2.000A
Resolution	0.0001 OD
Accuracy	0-2.0A : ±1.0%or±0.007A
Precision	0-2.0A : ± 0.5%or±0.005A
Linearity	±2.0% or±0.007A

Software Specifications	
Software Name	MICROPRO ASTRA
Operating System	Windows OS
Calculation Modes	Absorbance, Cut-off, Single point calibration, Non-linear regression, Multiple points percentage, linear regression, Index regression, Logarithmic regression, Power regression, Percentage logarithmic regression
Special Features	Dedicated Q.C. Program available in Micropro ASTRA Software
Information Management System	LIS available. It can be bought separately.
Report Types	Report by Test, by Program, by Patient details.
Database back-up	Yes

LIST OF STANDARD COMPONENTS SUPPLIED ALONG WITH THE INSTRUMENT

Components	Qty
Fuses (3.15A)	2 Nos.
Power Cord	1 No.
RS 232 Cable	1 No.
USB to Serial cable	1 No.
Dust cover	1No.
Microxpress McFarland reader	1 No.
Susceptibility Test panel tray covers	10 Nos
Multichannel micropipette 8 channel 1200ul	1 No.
Gamma sterile tip box	1 Box
Gamma sterile microtips 1200ul	96 Nos

ACCESSORIES/CONSUMABLES AVAILABLE FOR USE WITH MICROPRO MIC

Accessories/Consumables	Cat No.	Pack Size
Microxpress McFarland Reader	209131270001	1 Unit
Gamma Sterile tips (1200ul) (30 tests)	209070320030	96 Nos
Gamma Sterile tipbox (1200ul)	209070330001	1 Box
Multichannel Stepper Micropipette (8 channel, 1200ul)	209031370001	1 No.
Susceptibility test panel tray cover	209191250020	20 Nos
Normal Saline (30 tests)	209140340001	1 No.