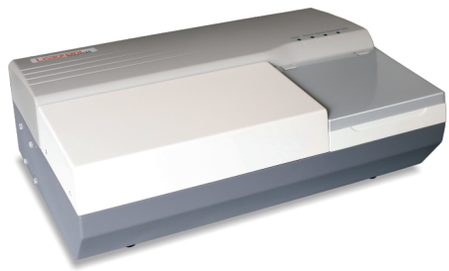
TULIP DIAGNOSTICS (P) LTD.



MICROPLATE ELISA READER

Lisaquant-IT

Microplate ELISA Reader

KEY FEATURES

- Optical System: 8 independent photometric channel reads fast and accurate within 6 seconds.
- Strip management system helps to read multiple assays in one plate
- Information Management System optional available.
- Customized user defied templates
- Options to run 12 assays on the same plate at the same time.
- Multiple results reporting formats.
- QC solution with Westgard rules.
- Data Interface
- Pre-programmed shanking facility.

TECHNICAL SPECIFICATIONS

Calculation modes		Absorbance, Cut-Off, Single point calibration, Curve regression, Multiple points percentage, Linear regression, Index regression, Logarithmic regression Power regression, Percentage logarithmic regression, Four-parameter regression
Report Types		Report by test, Report by program, Report by patient details, Report by blood bank workstation
Memory		Windows based Data Management Software which facilitates unlimited storage of results with of 100 program locations
Self-Test		Yes, Check filter disk, plate transport, electronics, main PC board, battery and memory
Warm-up time		Up to 90 seconds
Reading speed		
Continuous mode:	Single Dual	5 s econds 10 seconds
Step mode:	Single Dual	15 seconds 30 seconds
Mixing Capability		3-speed programmable
Programmable time		0-60 seconds
Compatible plates		Polystyrene flat U &V bottom plates & 8 or 12-well strip plate

Optics	
Spectral range	400-700 nm
Photometric methods	Single & Dual
Filter capacity	8 interference filters, 4 filter installed free & 4 Optional
Standard Filter	405, 450, 492 & 630nm
Photo-detectors	8 silicon photodiode detectors for measurement
Light source	Tungsten Halogen, 6V/20W
Technical:	
Measurement range	0.000 to 3.500
Linear Measurement range	0.000 to 2.000
Resolution	0.0001 OD
Accuracy	±1.0% for 0.0-2.0 or ±0.007A
Precision	±0.5% for 0.0-2.0 or ±0.005A
Linearity	±2.0% or ±0.007A
Software:	
Software Name	Tulip ELISA Management Software
Special Features	Dedicated Q.C. Program with West-guard rule
Information Management system	Yes
Database back-up	Yes
Printer/Interface/ Display	External printer, RS-232C serial interface.
	Bi-directional communication. External display and keypad. Windows based operating system.
Power Supply	110V-220V, 50-60 Hz
Operating Conditions	Temperature: 0°C -40°C, Humidity ≤85%
Dimensions	46 cms x 34 cms x 19 cms
Weight	7.5 kgs
Cat. No.	8121T000000

LIST OF STANDARD ACCESSORIES SUPPLIED ALONG WITH THE INSTRUMENT

Components	Qty	Components	Qty
Power Cord	1 No.	RS-232 Cable	1 No.
Fuses (3.15A)	2 Nos.	Software CD	1 No.
Dust Cover	1 No.	User Manual	1 No.