



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 defined 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 shaking 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
<b>Reading speed</b>	
Continuous mode: Single Dual	5 seconds 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

<b>Optics</b>	
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
<b>Technical:</b>	
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
<b>Software:</b>	
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 COMPONENTS SUPPLIED ALONG WITH THE INSTRUMENT**

Components	Qty	Components	Qty
1. Power Cord	1 No.	4. RS-232 Cable	1 No.
2. Fuses (3.15A)	2 Nos.	5. Software CD	1 No.
3. Dust Cover	1 No.	6. User Manual	1 No.