



**RFID IMMUNOTURBIDIMETRY ANALYSER**



**KEY FEATURES :**

- ▶ LED based optics TAGS turbidimetric measurements.
- ▶ Lot specific RFID card TAGS calibration, optimised mixing and reading of reactions.
- ▶ Touch screen display TAGS user friendly operations with online reaction curve.
- ▶ QC software with levey Jennings tags reliable reporting.
- ▶ Electronic pipette TAGS Autostart of testing time for consistent results.
- ▶ Optimix mixer TAGS automatic uniform mixing of reaction mixture.
- ▶ Unique cuvette design TAGS optimised on-board mixing.
- ▶ Disposable cuvettes eliminates carry over effects, reduces biohazard and labour.

**TECHNICAL SPECIFICATIONS:**

<b>Principle</b>	Turbosmart™ is based on Turbidimetry - principle. A light beam with intensity ( $I_0$ ) passes through the test cuvette with Ag-Ab reactions and falls on the photodetector placed at 180°. In turbidimetric assays reduction in the intensity of transmitted light ( $I_t$ ) measured at 180° corresponds to the concentration of test analyte.
<b>Optical System</b>	Laser LED (650nm) and Silicon detectors at 180°
<b>Measuring Chamber</b>	Temperature $37^{\circ} \pm 1^{\circ}C$ Auto mixing
<b>Electronic Pipette</b>	For reagent auto start reading
<b>RFID Card</b>	Lot specific assay calibration with applications
<b>QC</b>	3 level with Levey Jennings plot
<b>Display</b>	4.3" Color touch screen, online reaction curve
<b>Printer</b>	Inbuilt thermal (58mm)
<b>Data Transfer</b>	B Type USB
<b>Data Storage</b>	500 results
<b>Power supply</b>	100 - 275V, AC50-60Hz, 12V Power adaptor
<b>Battery</b>	2200 mAH Li-ion battery
<b>Dimension</b>	296 (L) x 232 (W) x 117 (H)
<b>Weight</b>	Gross Wt - 2.5Kg, Net Wt. - 1.7 Kg.

## LIST OF STANDARD SUPPLIED ALONG WITH THE INSTRUMENT COMPONENTS

Components	Qty	Components	Qty
1. Incubator	1 No.	6. Electronic pipette (20-200µl)	1 No.
2. Power Cable Adaptor	2 Nos.	7. Manual pipette (2-20µl)	1 No.
3. USB Cable	1 No.	8. Manual pipette (100-1000µl)	1 No.
4. User Manual	1 No.	9. Dust Cover	1 No.
5. Paper Roll	1 No.	10. Touch pen	1 No.