VIGA GEMILANG
ADVANCING IVD CARE

turbo smart™

THE SMARTER SMART CARD ANALYSER

PRE-PROGRAMMED
PRE-CALIBRATED
AUTOMIXING



Compatible Reagents*

- Turbosmart HbA1c
- Turbosmart MA
- Turbosmart RF
- Turbosmart CRP UV
- Turbosmart ASO
- Turbosmart IgE
- Turbosmart D-Dimer
- Turbosmart C3
- Turbosmart C4
- Turbosmart Ferritin...

Secure way of handling Immunoturbidimetry

turbosmart™

We, (Tulip) always believed in pursuing self-reliance through indigenisation of diagnostic platforms for serving our nation! In our journey of over 2 decades, we have successfully indigenised important platforms like Gel technology, Elisa and CLIA reagents in blood banking, Coagulation reagents & analyser, immunochromatographic assays, chemistry reagents & analyser, vein finding device, hospital disinfectants, medias & Immunoturbidimetry reagents!

We now take the pleasure of introducing **"Turbosmart"** – India's 1st indigenised **RFID IMMUNOTURBIDIMETRY ANALYSER**; the smarter way of moving towards self-reliance in reporting of immunoassay parameters like HbA1c, D-dimer, CRP, RF, ASO, MA, IgE, Ferritin, C3 & C4!

Turbosmart reagents are equipped with lot specific calibration & programming thereby saving time and cost of calibration! The RFID technology of Turbosmart analyser just needs a single TAG of the reagent RFID card to transfer the data for performing the test!

The simple test protocol of **Turbomart helps you drive your immunoassays seamlessly** for fast and accurate reporting!

TURBOSMART Benefits :

- **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.**

TURBOSMART Specifications:

Principle	:	Turbidimetry
Optical System	:	Laser LED (650nm) and Silicon detectors at 180°
Measuring Chamber	:	• Temperature 37°C ± 1°C • Auto mixing
Electronic Pipette	:	For reagent auto start reading
RFID Card	:	Lot specific assay calibration with applications
QC	:	3 level with Levey Jennings plot
Display	:	4.3" Color touch screen, online reaction curve
Printer	:	Inbuilt thermal (58mm)
Data Transfer	:	B Type USB
Data Storage	:	500 results
Power supply	:	100 - 275V, AC50-60Hz, 12V Power adaptor
Battery	:	2200 mAH Li-ion battery
Dimension	:	296 (L) x 232 (W) x 117 (H)
Weight	:	Gross Wt - 2.5Kg, Net Wt. - 1.7 Kg.

Specifications are subject to change without prior information.

Simple Test Protocol



Select Test from Menu

TAG the Card for transferring the Lot Specific Data

Insert R1 + Sample

Add R2 & Read Results

TURBOSMART – TAG & TEST SYSTEM!

***Presentation :** 20 Tests Reagent Pack includes Lot Specific RFID Card & 20 disposable Cuvettes

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