

# iQuant Analyzer

Fluorescence Immunoassay (FIA)

Advanced Technology  
Accurate Results  
Affordable Price



DEVELOPED IN  
PARTNERSHIP WITH  
HTIC, IIT MADRAS

FIA Tests Range Available



# iQUANT ANALYZER

# iQuant Analyzer

**Fluorescence Immunoassay (FIA)**



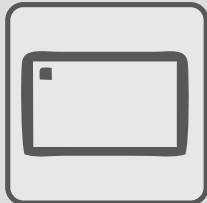
## TESTS PERFORMED

- TSH
- T4
- T3
- HbA1C
- VITAMIN-D
- DENGUE NS1 Ag



### TESTS PERFORMED

TSH, T4, T3, HbA1C, VITAMIN-D, & DENGUE NS1 Ag



### DISPLAY

LARGE TOUCH SCREEN: 10.1" (RESOLUTION 1280 X 800)



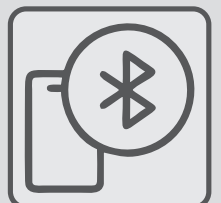
### PROCESSOR

INTEL QUAD CORE CHERRY TRAIL PROCESSOR



### STORAGE

4 GB RAM & 64 GB STORAGE CAPACITY FOR MORE THAN **3,00,000 PATIENTS SAMPLES**



### BLUETOOTH

FOR CONNECTING ACCESSORIES LIKE PRINTER



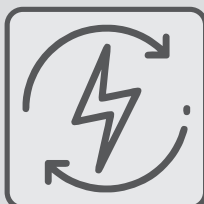
### WI-FI

FOR INTERNET CONNECTIVITY FOR DATA DELIVERING/ PATIENT REPORTS



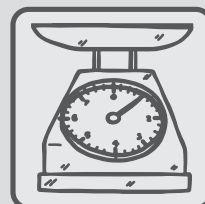
### MULTI TIMER

FOR MONITORING THE "TEST RUN TIME" OF 4 DIFFERENT TESTS AT A TIME



### BATTERY BACKUP

FOR EMERGENCY OPERATION (8100 mAh LITHIUM POLYMER BATTERY)



### WEIGHT

LIGHT WEIGHT: 2.3 Kg



### ONLINE SUPPORT

FOR SOFTWARE UPDATION THROUGH CLOUD & OTHER TECHNICAL ISSUES

# THYROID MARKERS

Fluorescence immunoassay (antigen-antibody) for quantitative measurement of Thyroid markers in Human Serum/ Plasma

“

Thyroid markers mainly consists of TSH, T4 & T3 hormones. These hormones are released by pituitary & thyroid glands respectively in response to feedback mechanism of Hypothalimic-Pitutiary-thyroid-axis. These hormones are found in protein bound or inactive form and unbound or free hormone form.

**TSH:** Thyroid stimulating hormone is released by the pituitary gland in response to a release of Thyrotropin-Releasing hormone in hypothalamus. This is the most common marker used to assess Thyroid functions.

**Total T4 and total T3:** Both the hormones are released by the thyroid gland. T4 is also called Thyroxine and inturn is converted into tri-iodothyronine(T3). The amount of both T4 and T3 secretion by Thyroid gland is regulated by the pituitary gland by secreting TSH.

”

## TSH QUANTI CARD

Fluorescence immunoassay (antigen-antibody) for quantitative measurement of Thyroid Stimulating Hormone (TSH) in Human Serum/ Plasma



**Available Packsize:  
25 & 50 Tests**

- Principle: Based on most advanced fluorescence sandwich immunoassay method
- Individually pouched test cartridge, each cartridge is precision engineered with embeded lot data.
- Measuring Range : 0.40 – 40  $\mu$ IU/ml
- High analytical Sensitivity: 0.20  $\mu$ IU/ml
- Results within 45 Minutes (all steps included)
- Shelf Life: 15 Months at 2-8°C



# T4 QUANTI CARD

Fluorescence immunoassay (antigen-antibody) for  
Quantitative measurement of Total Thyroxine (T4) in Human Serum/ Plasma



**Available Packsize:  
25 & 50 Tests**

- Principle: Based on most advanced fluorescence competitive immunoassay method
- Individually pouched test cartridge, each cartridge is precision engineered with embeded lot data.
- Measuring Range : 1.0 – 25 µg/dl
- High analytical Sensitivity: 1.0 µg/dl
- Results within 30 Minutes (all steps included)
- Shelf Life: 15 Months at 2-8°C

# T3 QUANTI CARD

Fluorescence immunoassay (antigen-antibody) for  
Quantitative measurement of Triiodothyronin (T3) in Human Serum/ Plasma



**Available Packsize:  
25 & 50 Tests**

- Principle: Based on most advanced fluorescence competitive immunoassay method
- Individually pouched test cartridge, each cartridge is precision engineered with embeded lot data.
- Measuring Range : 0.5 – 7.5 ng/ml
- High analytical Sensitivity: 0.20 µIU/ml
- Results within 45 Minutes (all steps included)
- Shelf Life: 15 Months at 2-8°C

# Vitamin-D QUANTI CARD

Fluorescence immunoassay (antigen-antibody) for the Quantitative measurement of 25-OH Vitamin D (Total) in Human Serum



**Available Packsize:  
10 Tests**

- Principle: Based on most advanced fluorescence competitive immunoassay method
- Accurate Results traceable to international standard reference NIST-SRM 972a
- Excellent result correlation with LC-MS/MS
- Quantitative detection of 25-OH Vitamin D<sub>2</sub> & D<sub>3</sub>
- Individually pouched test cartridge, each cartridge is precision engineered with embeded lot data.
- Results within 25 Minutes after adding prepared sample in the cartridge
- Longer Shelf Life: 15 Months at 2-8°C
- Linearity Range: 4 - 80 ng/ ml

# Dengue NS1 Ag QUANTI CARD

Fluorescence immunoassay (antigen-antibody) for qualitative detection of Dengue NS1 Antigen in Human Serum/ Plasma



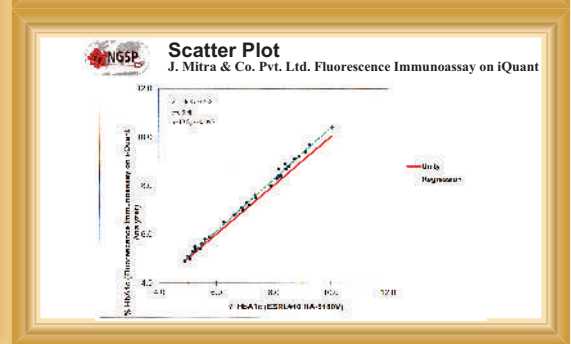
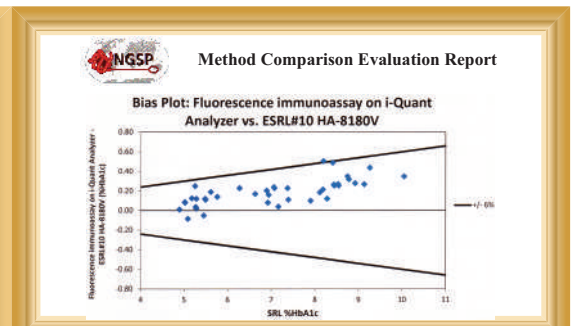
**Available Packsize:  
48 & 96 Tests**

- Principle: Based on most advanced fluorescence sandwich immunoassay method
- Individually pouched test cartridge, each cartridge is precision engineered with embeded lot data.
- From DAY1 of the fever, it detects all 4 serotypes of Dengue Virus
- Results within 30 Minutes
- Highly Sensitive & Highly Specific
- Long Shelf Life: 15 Months At 2-8°C

# HbA1c QUANTI CARD

Flourescence based immunoassay (antigen-antibody) for quantitative measurement of HbA1c (glycated hemoglobin) in Human Whole Blood

**NGSP** CERTIFICATION



**Available Packsize:  
10, 50 & 100 Tests**

- ▶ Principle: Based on most advanced fluorescence immunoassay method
- ▶ Certified from NGSP, USA
- ▶ QR Code on each cartridge includes lot specific data
- ▶ Individual pouched test cartridge
- ▶ Results within 10 Minutes
- ▶ Long Shelf Life: 15 Months At 2-8°C



For further enquiries, Please contact:

**J. Mitra & Co. Pvt. Ltd.**

A 180-181, Okhla Indl. Area, Phase-1, New Delhi - 110 020, INDIA

Tel: +91-11-47130300, 500, 26818971-73

E-mail: [jmitra@jmitra.co.in](mailto:jmitra@jmitra.co.in)

Website : [www.jmitra.co.in](http://www.jmitra.co.in)