

# Quant Analyzer

Fluorescence Immunoassay (FIA)



Advanced Technology  
Accurate Results  
Affordable Price

DEVELOPED IN  
PARTNERSHIP WITH  
HTIC, IIT MADRAS

FIA Tests Range Available



# iQuant Analyzer

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**Fluorescence Immunoassay (FIA)**



**iQUANT ANALYZER ALSO INCLUDES: DUAL iHEATING BLOCK, iVORTEXER & STARTER KIT OF HbA1c QUANTI CARD**

DUAL iHEATING BLOCK, 9-Channel	iVORTEXER	STARTER KIT OF HbA1c QUANTI CARD
		



### TESTS PERFORMED

TSH, T4, T3, HbA1c, VITAMIN-D, DENGUE IgG, DENGUE IgM, DENGUE NS1 Ag & CRP



### DISPLAY

LARGE TOUCH SCREEN: 10.1" (RESOLUTION: 1280X800)



### STORAGE

4 GB RAM & 64 GB STORAGE CAPACITY FOR MORE THAN **1,00,000 PATIENTS SAMPLES**



### PROCESSOR

INTEL QUAD CORE CHERRY TRAIL PROCESSOR



### ICLOUD

FOR UPGRADATION & TRAINING



### BLUETOOTH

FOR CONNECTING ACCESSORIES LIKE PRINTER



### WI-FI

FOR INTERNET CONNECTIVITY FOR DATA DELIVERING/PATIENT REPORTS



### MULTI TIMER & INSTRUCTOR

FOR MONITORING THE "TEST RUN TIME" OF 4 DIFFERENT TESTS & STEP-BY-STEP INSTRUCTION FOR SPECIFIC TEST



### BATTERY BACKUP

FOR EMERGENCY OPERATION (8100 mAh LITHIUM POLYMER BATTERY)



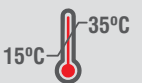
### ONLINE SUPPORT

FOR SOFTWARE UPDATION THROUGH CLOUD & OTHER TECHNICAL ISSUES



### WEIGHT

LIGHT WEIGHT: 1.9 Kg



### TEMP.

OPERATING TEMPERATURE RANGE 15-35°C

# Thyroid Range

(TSH, T4 & T3 Test)

## TSH Quanti Card

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



Available Pack size: 50 Tests

- Principle: Based on most advanced fluorescence sandwich immunoassay method
- Individually pouched test cartridge, each cartridge is precision engineered with embedded lot data.
- Measuring Range : 0.40 – 40  $\mu$ U/ml
- High analytical Sensitivity: 0.40  $\mu$ U/ml
- Results within 45 Minutes (all steps included)
- Shelf Life: 24 Months at 2-8°C

## T4 Quanti Card

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



Available Pack size: 50 Tests

- Principle: Based on most advanced fluorescence competitive immunoassay method
- Individually pouched test cartridge, each cartridge is precision engineered with embedded lot data.
- Measuring Range : 1.0 – 25  $\mu$ g/dl
- High analytical Sensitivity: 1.0  $\mu$ g/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 Pack size: 50 Tests

- Principle: Based on most advanced fluorescence competitive immunoassay method
- Individually pouched test cartridge, each cartridge is precision engineered with embedded lot data.
- Measuring Range : 0.3 – 7.5 ng/ml
- High analytical Sensitivity: 0.3 ng/ml
- Results within 50 Minutes (all steps included)
- Shelf Life: 15 Months at 2-8°C

## Dengue NS1 Ag Quanti Card

Fluorescence immunoassay for qualitative detection of Dengue NS1 Antigen in Human Serum/ Plasma



Available Pack size: 24 & 48 Tests

- Principle: Based on most advanced fluorescence sandwich immunoassay method
- Individually pouched test cartridge, each cartridge is precision engineered with embedded lot data.
- From DAY1 of the fever, it detects all 4 serotypes of Dengue Virus
- Results within 30 Minutes
- Sensitivity: **100%\*** & Specificity: **98.38%\***
- Long Shelf Life: 24 Months At 2-8°C

## Dengue IgM Quanti Card

Fluorescence immunoassay for qualitative detection of Dengue IgM Antibodies in Human Serum/ Plasma



Available Pack size: 24 & 48 Tests

- Principle: Based on most advanced fluorescence immunoassay method
- Individually pouched test cartridge, each cartridge is precision engineered with embedded lot data.
- It detects all 4 serotypes of Dengue Virus
- Results within 40 Minutes
- Sensitivity: **96.72%** & Specificity: **97.45%**
- Long Shelf Life: 24 Months At 2-8°C

# Dengue Range

(Dengue NS1 Ag, Dengue IgM & Dengue IgG Tests)

## Dengue IgG Quanti Card

Fluorescence immunoassay for qualitative detection of Dengue IgG Antibodies in Human Serum/ Plasma



Available Pack size: 24 & 48 Tests

- Principle: Based on most advanced fluorescence immunoassay method
- Individually pouched test cartridge, each cartridge is precision engineered with embedded lot data.
- It detects all 4 serotypes of Dengue Virus
- Results within 40 Minutes
- Sensitivity: **97.23%** & Specificity: **97.36%**
- Long Shelf Life: 24 Months At 2-8°C

# D-Dimer Quanti Card

Fluorescence based Immunoassay for quantitative measurement of D-Dimer in human plasma



**Available Pack size:  
25 Tests**

- Principle: Based on most advanced fluorescence competitive immunoassay method
- Individually pouched test cartridge, each cartridge is precision engineered with embedded lot data.
- Measuring Range : 50 - 10,000 ng/ml.
- High analytical Sensitivity: 50 ng/ml
- Results within 30 Minutes
- Long Shelf Life: 15 Months at 2-8°C

# Scrub Typhus IgM Quanti Card

Fluorescence based Immunoassay for qualitative measurement of scrub typhus IgM antibodies in human serum/ Plasma



**Available Pack size:  
25 Tests**

- Principle: Based on most advanced fluorescence immunoassay method
- Individually pouched test cartridge, each cartridge is precision engineered with embedded lot data.
- Sensitivity: 100% Specificity: 100%
- Results within 20 Minutes
- Shelf Life: 15 Months at 2-8°C

## CRP Quanti Card

Fluorescence immunoassay (antigen-antibody) for the Quantitative measurement of CRP (Total) in Human Serum

- ▶ Principle: Based on most advanced fluorescence competitive immunoassay method
- ▶ Individually pouched test cartridge, each cartridge is precision engineered with embedded lot data.
- ▶ Results within 30 Minutes
- ▶ Analytical Sensitivity: 2.5mg/l
- ▶ Measuring Range: 2.5 - 100 mg/l
- ▶ Longer Shelf Life: 24 Months at 2-8°C



**Available Pack size:  
10 Tests**

## PCT Quanti Card

Fluorescence immunoassay (antigen-antibody) for the Quantitative measurement of PCT (Procalcitonin) in Human Serum

- ▶ Principle: Based on most advanced fluorescence sandwich immunoassay method
- ▶ Individually pouched test cartridge, each cartridge is precision engineered with embedded lot data.
- ▶ Results within 45 Minutes
- ▶ Analytical Sensitivity: 0.1 ng/ml
- ▶ Measuring Range: 0.1 - 20 ng/ml
- ▶ Longer Shelf Life: 24 Months at 2-8°C



**Available Pack size:  
10 Tests**

## Vitamin-D Quanti Card

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



**Available Pack size:  
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 embedded lot data.
- ▶ Results within 25 Minutes after adding prepared sample in the cartridge
- ▶ Analytical Sensitivity: 4ng/ml
- ▶ Longer Shelf Life: 15 Months at 2-8°C
- ▶ Measuring Range: 4 - 80 ng/ml

# HbA1c Quanti Card

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



- ▶ Principle: Based on most advanced fluorescence immunoassay method
- ▶ NGSP Certified
- ▶ QR Code on each cartridge includes lot specific data
- ▶ Measuring Range: 4% to 16%
- ▶ Individual pouched test cartridge
- ▶ Results within 15 Minutes
- ▶ Long Shelf Life: 24 Months at 2-8°C

**Available Pack size:  
10, 50 & 100 Tests**

# Ferritin Quanti Card

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



**Available Pack size:  
10 Tests**

- ▶ Principle: Based on most advanced fluorescence Sandwich immunoassay
- ▶ Individually pouched test cartridge, each cartridge is precision engineered with embedded lot data, no chip required
- ▶ Analytical Sensitivity: 10 ng/ml
- ▶ Measuring Range: 10 - 10,000 ng/ml.
- ▶ Results within 20 Minutes
- ▶ Longer Shelf Life: 24 Months at 2-8°C
- ▶ Convenient pack size: 10 tests

Also Connect with us on:



ISO 13485:2016  
ICMED 13485

For further enquiries, Please contact:

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