

# iQuant Analyzer

## Fluorescence Immunoassay (FIA)

Developed in partnership with  
**HTIC, IIT Madras, India**

### FIA Tests Range Available

1. T3 Quanti Card
2. T4 Quanti Card
3. TSH Quanti Card
4. Dengue NS1 Ag Quanti Card
5. Dengue IgM Quanti Card
6. Dengue IgG Quanti Card
7. HbA1c Quanti Card
8. Vitamin-D Quanti Card
9. Scrub Typhus IgM Quanti Card
10. Ferritin Quanti Card
11. D-Dimer Quanti Card
12. CRP Quanti Card
13. PCT Quanti Card



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

.....a vision to serve mankind™

# iQuant Analyzer

Fluorescence Immunoassay (FIA)

Advanced Technology  
Accurate Results  
Affordable Price



## 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,  
PCT, D-Dimer, Ferritin  
Scrub Typhus etc.



### IQ Cloud

For Upgradation



### Plug & Play

Just Connect with  
Pc & Operate



### User Friendly

Easy to Operate  
with Pc



### Weight

Light Weight  
1.7 Kg



### Temp.

Operating  
Temperature  
Range 15-35°C



### Online Support

For Software Updation  
Through Cloud & Other  
Technical Issues

# Thyroid Range

(TSH, T4 & T3 Test)

Available Pack size: 50 Tests



## TSH Quanti Card

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

- 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: 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

- 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

- 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 Range

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

Available Pack size: 24 & 48 Tests



## DENGUE NS1 Ag Quanti Card

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

- 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 the qualitative measurement of Dengue IgM Antibodies in Human Serum/Plasma

- 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 IgG Quanti Card

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

- 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 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 20 minutes
- Long 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



### Available Pack size: 10 Tests

- 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 (all steps included)
- Analytical Sensitivity: 2.5mg/l
- Measuring Range: 2.5 - 100 mg/l
- Longer Shelf Life: 24 Months at 2-8°C

## PCT Quanti Card

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



### Available Pack size: 10 Tests

- 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 (all steps included)
- Analytical Sensitivity: 0.1 ng/ml
- Measuring Range: 0.1 - 20 ng/ml
- Longer Shelf Life: 24 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 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: 4.0 ng/ml
- Longer Shelf Life: 15 Months at 2-8°C
- Measuring Range: 4.0 - 80 ng/ ml

# HbA1c Quanti Card

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

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



- 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

# 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



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