



GPP-100

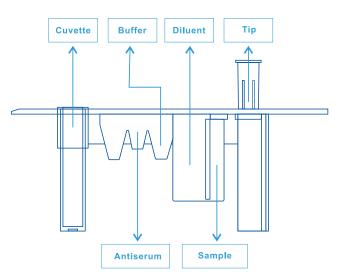
Cartridge Based Protein Analyser

- RESULTS WITHIN 3-8 MINUTES
- SINGLE CARTRIDGE BASED PROTEIN ANALYSER



- 2 D bar code for reading the assay type automatically
- Based on single cartridge containing all reagents to run a sample.
- No consumable needed extra
- Pack size of 20 tests/pack
- Inbuilt calibration curve provided by manufacturer
- Results within 3-8 minutes
- Easy to use with single step procedure
- Memory storage of 1 lac results
- Built in thermal printer, Based on touch screen





Wide menu for your lab needs

GPP 100 TEST menu

Diabetes HbA1c Cardiovascular Disease D-Dimer UsCRP Rheumatoid Disease ASO RF CCP

Inflammation

FR- CRP

SAA

Kidney Disease

Urine IgG Urine TRf A1M mALB

CysC

Immune Disease IgA

lgG

IgM C3

C4

MORE ASSAYS ARE TO BE EXPECTED

One Step Only



Add sample and insert

Specifications

Measuring Time	3 to 8 minutes	Display	Color touch screen
Sample Volume	3 μL to 300 μL	Printer	Built-in thermal printer
Pack Size	20 T/Kit	Net Weight	7.1 kg
Memory Storage	Up to 100,000 test results	Size	404 mm*161 mm*397 mm



Fluorescent Rapid Card Reader

- Fluorescent label like lanthanide based rapid card tests for Higher sensitivity and stability
- 6 incubation channels for incubating cards
- Lot Calibration based on RFID Cards
- Battery back up thus portable and can be used in any setup
- 25 tests/package

Superior technology for ACCURATE RESULTS

Lifotronic FA-160 is FIA principle based POCT rapid card reader. The instrument offers rapid card testing platform with quantitative result analysis. The instrument does not use conventional fluorescent principle but is based on TRFIA principle.TRFIA is similar to fluorometric assays but differs in its use of specific molecules like lanthanides which has unusual property of emitting over long periods of time after excitation(increased Stoke's Shift) whereas in fluorescein based assays the emission starts within few seconds of being excited (reduced Stoke's shift). Thus avoiding the elevated background signals as seen in standard fluorescent based assays and in turn offering better sensitivity.

TRFIA based rapid card tests are similar to fluorometric assays but uses lanthanides labels offering many advantages.

- Higher sensitivity and stability due to low background noise
- Quantitative results for analytes with preset cut-off values.
- Result traceability with FIA (fluoroimmunoassay) card reader

FA 160 Menu

COMPREHENSIVE MENU COMPLETE POCT DIAGNOSTIC NEEDS

D Dimer	CRP	HbA1c
PCT	hs-CRP	Т3
COVID-19 IgG	H-FABP	T4
Troponin I	NT-proBNP	TSH
CK-MB	Malaria	HCG
Myoglobin	Cystatin C	

Specifications

Model:	FA-160
Methodology:	Immunofluorescence Assay
Throughput:	15-20 Samples
SampleType:	Whole Blood, Serum, Plasma
Storage:	10,000 Test Results
Connection:	USB, RS -232, LIS Compatible
Operation Condition:	Temperature 10~30 °C Humidity ≤ 80%
Lithium Battery:	5200 mAh

LifeDx H3Pro

Automated hematology analyzer
Small footprint with unmatched efficiency

3 part Hematology Analyzer

- 1. CBC + 3 Differential, 21 parameters + 3 histograms
- 2. Throughput upto 70 samples/hour
- 3. Large 10.4 inch TFT touch screen
- 4. Works only with two reagents
- 5. Large storage capacity of 5,00,000 sample
- 6. Ideal also for paediatrics with small sample requirement of 9 μ l.
- 7. Based on double channel principle for accurate and fast analysis



Features

21 parameters with 3 Histograms

Works with minimum reagents

Small footprint

User friendly automation

Detailed flag information

Works in 3 modes

Excellent Performance

Low Maintenance

Special RUO Feature

WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR,P-LCC 3 histograms for WBC, RBC and PLT

Uses improved technology which reduces the need for cleanser and rinse. The instrument works with 2 reagents only maintaining lower consumption of reagents

H3Pro is having small footprint thus offering space saving and thus can be setup in any lab

The 10.4 inch TFT touch screen offers large screen for easy operation & all results on single screen. Built in thermal printer for result print outs.

For warning in case of abnormal cell results

Whole blood mode, Prediluted mode or capillary mode

High precision with CV

The aperture is made up of ruby thus no need of frequent replacement. The new internal structural design separates electronic components from the fluidic system, thus easy maintenance. Reagent sensor offered. Flags for any clog happening.

Also offer NLR and PLR parameters calculation





Automated 3-part Hematology Analyzer Technical Specifications

Principles	Impedance method for WBC, RBC and PLT counting Cyanide free reagent for hemoglobin test			
Parameters	MCHC, RDW-C\	WBC, Lymph#, Mid#, Gr /, RDW-SD, PLT, MPV, PD or WBC, RBC and PLT		n%, RBC,HGB, HCT, MCV, MCH,
Sample type	Prediluted mode 20μL Whole blood mode 9 μL		le 9 μL	
	Parameter	Linearity Range	Precision (CV%)	Carryover
	WBC(10 ⁹ /L)	0-300	<3.5%(4.0-6.9)	<0.5%
			<2.0%(7.0-15.0)	
Performance	RBC(10 ¹² /L)	0-8.00	<1.5%(3.5-6.5)	<0.5%
	HGB(g/L)	0-280	<1.5%(100-180)	<0.5%
	MCV(fL)		<1.0%(70.0-110)	<0.5%
	PLT(10 ⁹ /L	0-4000	<5.0%(100-149)	<1.0%
			<4.0%(150-500)	
Reagent	DILUENT, LYSE, PROBE CLEANSER			
Throughput	70 samples per	hour		
Display	10.4 inch TFT To	ouch Screen		
Data Storage Capacity	Up to 500,000 i	results including numerio	and graphical informatio	n
Communication	LAN Port supports HL7 protocol Support bi-directional LIS			
Interface		r external printer, softwa dapter, keyboard and me	are upgrade, barcode reac ouse), LAN port (1)	ler,
Printout	Thermal recorder, 50 mm wide paper, various printouts formats External printer optional			
Power Requirement	Temperature: 10°C~40°C, Humidity: 10%~90%, Air pressure: 70kPa~106kPa			
Power Requirement	(100V-240V) <300VA, 50Hz/60Hz			
Dimension and Weight	Dimension: Dep	oth (410 mm) x width (30	00 mm) x height (400 mm)	Weight: 20Kg





HPLC based Fully Automated HbA1c analyser



Gold Standard Methodology



Dual Wavelength Detection



Minimize Operation Steps



Percise, Reliable and Accurate Results

HPLC Technology-Gold Standard Methodology:

- NGSP and IFCC Certified
- HbA1c Results within 130 seconds
- 5 samples loading capacity, suitable for medium to small labs

Dual Wavelength Detection - To Avoid Interference

- To avoid the reagent peak interference
- More anti-interference abilities the factor interference to the peak can be easily counteracted
- To eliminate the nonspecific absorption of hemoglobin

Minimize Operation Steps

- No Sample preparation
- Fully automated system cleaning after test
- External barcode scanner for sample identification

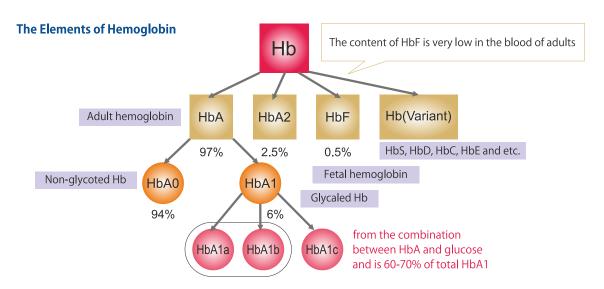
Percise, Reliable and Accurate Results

- More Stable Pressure, More Accurate Flow Rate
- To Reduce Background Absorption and Improve Detection Sensitivity
- To Improve the separation effect of Column and Prolong its life time

Outstanding Technology

LifeDx HBPro, is a compact, automated HPLC analyzer that uses ion exchange liquid chromatography for quantitative determination of the glycated haemoglobin (HbA1c) in human whole blood with processing time of 130 seconds that will expedite the laboratory TAT

- Compact automated HPLC system
- Fully automated start-up, maintenance and shutdown
- Barcode scanner for sample identification
- Five samples loading capacity
- NGSP and IFCC certified



Product of the combination between HbA and fructose / lactose

Gold Standard of Diabetes Diagnose

Glycosylated hemoglobin (HbA1c) is widely recognized as a Gold Standard to monitor diabetes, which can indicate the average plasma glucose concentration over 8~12 weeks.

HPLC Methodology

High-Pressure Liquid Chromatography (HPLC), to separate HbA1c directly with measuring the absorbance points continually to form chromatogram. Using normal distribution curve fitting auto - interpretative algorithm to get precise HbA1c testing result, excluding interference of variant and unstable hemoglobin like LA1c. Standard Analysis Mode will report HbA1a, HbA1b, HbF, HbA1C, HbA0 peak areas and percentage. The result also includes IFCC, NGSP value for diverse client needs.

Precise and Reliable - To serve you consistently

- Inter measuring CV<1.5% and Intra measuring CV's <3%
- Superior quality chromatographic resolution to eliminate interferences

Other Features

- Reagent kit: Eluent A, Eluent B, Hemolysin L, Calibrator, QC material
- Test mode: HbA1c and E/D/S/C variants detected in single mode
- Precision –CV<1.5%
- Test speed 130 secs /test
- Different sample types- Venous blood ,finger peripheral blood , Lyophilized Whole Blood ,10ul (whole blood), 400ul (diluted blood)
- Double detection-with photometer of 415nm+500nm Detector
- Larger display -10.1 "TFT" True color LCD Touch screen
- Result storage -4000 sample results

Technical Specification:

Methodo l ogy	High - Performance Liquid Chromatography (HPLC)	
Test Modes	HbA1c and E/D/S/C variants detected in single mode	
Test Range	3% - 18%	
Precision	CV < 1.5%	
Test Speed	130 Secs / Test	
Sample Type	Venous Blood, Finger Peripheral Blood, Lyophilized Whole Blood	
	10 ul (whole blood), 400ul (Diluted blood)	
Auto Sample Station	5 Positions/Rack	
Photometer	415nm + 500nm Detector	
Filter	> 400T	
Display	10.1 "TFT True Colour LCD Touch Screen	
Software	Linux Software with self diagnosis to monitor and detect system error	
Reagent Kit	Eluent A, Eluent B, Hemolysin L, Calibrator; QC Material	
Information Input	Scanner to touch keypad	
Storage	4000 Sample Results	
Connection	USB, LAN, LIS Compatible	
Printer	Thermal Printer	
Operation	Temperature 10 ~30oC (50 ~86oF)	
Humidity	< 80%	
Power	AC 100-240V 50/60Hz 120VA	
Dimension	450mm (L) x 360mm (W) x 540mm (H)	
Weight	32.8 Kg.	





SinglePlate Shaker



- Smallest footprint saves valuable bench space like no other
- Product dimensions match Microplate size (127 x 85 mm only)
- Replaceable clamps to hold different types of Microplates (comes with 2 sets of interchangeable clamps)
- Tool free, easy and time saving clamp change procedure
- Greater Speed setting range (Select speed ranging from 200 rpm to 1500 rpm)
- Variable Timer model with time setting for upto 180 mins



Microcentrifuge



This feature rich micro centrifuge is specially designed to suit your need for microfiltration and quick spin downs

- 8 Place closed rotor ensures better airflow, greater efficiency with quiet operation and low heat generation
- Electronic brake for immediate stop on lid opening for user safety
- Universal power supply with SMPS for high efficiency and power savings
- Save time by doing quick runs by simply closing and opening the lid when the unit is switched ON
- Digital display of speed
- Small footprint saves valuable bench space
- Microprocessor controlled enables digital variable speed and time setting with last run memory function (M08VT)
- User enabled digital calibration function (M08VT)

Microplate ELISA Reader (RT -6900)



- 7" Color LCD Touch Screen with Built-in Printer.
- 8- Channel Optical Fiber System, 5 Seconds' Reading for whole Plate
- Support Single/Dual Wavelength Measurment.
- Plate Shaking Function, Speed and Frequency Adjustable
- Up to 100 Programs and 10,000 Sample Results storage.
- Multi- assay enables upto 12 different assays in one plate
- Auto Self Check When Power on.
- Random positive and negative control setting
- Save data automatically in case of power outage.
- Lamp saving function
- Improved user experience with powerful software
- Effective data and result interpretation

ELISA READER (RT-6900)

Technical Specification

Absorbance Range	0-4.000 Abs
Resolution	0.001 Abs (displayed), 0.0001 Abs (Calculated)
Light Source	Halogen lamp 6V/19W
Optical System	8-channel optical fiber system
Wavelengths	4 Standard filters 405nm, 450nm, 490nm, 630nm, 3 more filter optional
Wavelength Accurancy	±2nm
Band Width	8 ± 2nm
Calculation Method	ABS, Cut-off, Multi-percent, Percent log, Linear Exponential, Index, 4PL, Regression, etc
Methodologies	End-point, fixed-time, Kinetic
Type of Microplate	Standard with 96-well or other kind of microplate and strip.
Reading Speed	5 Seconds for 96-well plate(Single wavelength)
Shanking Plate	Shaking time and speed adjustable
Memory	Up to 100 Programs and 10,000 sample results storage
Printer	Internal thermal printer, external printer optimal
Power Supply	USB port, LAN, SD card slot, RS-232 AC100-240V,50Hz/60Hz
Dimension(mm)	425(L)x310(W)x215(H)
Weight	12kg

MICROPLATE

ELISA Washer (RT-3100)



- User friendly operation system with large LCD display
- Washes U, V and flat bottom strips and plates
- 12-way or 8-way manifold, automatic and manual positioning
- Large memory, upto 100 wash protocols can be programmed
- Multi-channel, 1 upto 3 for wash, 1 for rinse and 1 for waste
- Plate shaking function, time and speed are adjustable
- Two 96- well plate incubation positions (optional)
- Liquid level detection and alert function
- Easy maintenance

MICROPLATE WASHER (RT-3100)

Technical Specification

Plate Mode	96-48 well plate or strip	Residual Volume	<3μΙ
Washing Volume	10~3000µl/well, 1µl by step	Washing Cycle	Maximum 99 cycles,
Strip washing	1 to 12 strips programmable	Soaking Time	0~24 hours
Shaking Time	0~24 hours	Display	Large LCD
Wash Channels	5 Channels, 1 or up to 3 for wash, 1 forrinse and 1 for waste	Memory	99 washing protocols
Interface	RS-232	Power Supply	a.c. 110V- 220V, 50Hz
Net Weight	13 Kg	Dimension	450mm x 390mm x 190mm
Incubator Temperature (optional)	25 °C, 30 °C, 37 °C		

Motic IFA Microscope



- Adjustable fluorescence intensity
- Auto on/off mode prolongs slide life and promotes accurate Diagnosis
- Powerful battery allows long time operation
- Concealed accessories for perfect fluorescence effect impressive interlock feature protects users from emergent LED light from leaking
- Dual microscope for immunofluorescence and bright field
- Available with and without camera option
- Offering detection with calcofluor white dye used for fungal studies

Specifications

BA210E STANDARD CONFIGURATION

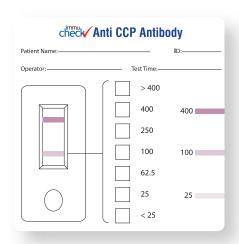
Optical System	CCIS
Observation System	Siedentopf 300
Interpupillary distance (MM)	55-75
Eyepieces	N-WF 10 x /20
Eyepieces diopter afjustment	+/-5 dpi
Trinocular light split	20/30
Nosepiece	reversed Quadrapule
Objectives EC-Plan Acromates	4x/0.10; 10x0.25; 40x0.65; 100x1.25 oil
Objectives mounting thread RMS standard (W 4/5"x1/36")	Yes
Built-in Coarial mechanical stage with sample holder	Yes
Stage Size(mm)	150x130
Travel range(mm)	80x30 Rackless
Upper limit stop	Preset adjustable
Condenser	Abbe Focusable type N. A 125; with slot for phase DF
Focus mechanism	Coaxial tension adjustment
Fine focus precision (mm)	2
Z-axis movement (mm)	20
Filter holder with fixing cap	Yes
Illumination	30W halogen
Halogen /LED interchangeability	Yes
Illumination position	Built-in
Transformer	Built-in
Power Supply	110-240V (CE)
Filters	Blue
Dimenssions (mm)	360x220x398
Weight(kg)	7.2
Contrast techniques	
Brightfield	Yes



ANTI CCP (CYCLIC CITRULLINATED PEPTIDES)

RAPID CARD TEST





Rapid card test for semi quantitative determination of anti CCP (Cyclic Citrullinated Peptide) Antibodies in human serum or plasma samples

- Reference band intensity card provided for semi quantitative detection
- High specificity predictive and prognostic marker before clinical symptoms arise
- Results within 15 minutes
- Inbuilt procedural control
- Room temperature storage
- Convenient pack size of 20 tests/package

Troponin IRapid Card Test

- Trop I is a cardiac marker of choice in detection of myocardial infractions.
- Sample that can be used with Immucheck Troponin I rapid card test are whole blood, serum or plasma, thus can be used as point of care test.
- Analytical sensitivity is 0.5 ng/ml
- Sensitivity: 98.5%
- Specificity: 98.4%
- Results within 10 minutes
- Inbuilt procedural control.
- Pack size of 20 tests





- Chikungunya IgM Ab detection is important for early detection in acute phase thereby preventing further transmission of the virus.
- Immucheck Chikungunya kit is also able to detect IgG antibodies
- Utilizes recombinant antigens derived from viral structure protein.
- Helps to differentiate from other febrile illnesses with similar symptoms like dengue.
- Sensitivity: 90.3%
- Specificity:100%
- Results within 15 minutes.
- Inbuilt procedural control.
- Pack size of 20 tests



check Typhoid IgG/IgM Rapid Card Test

- Samples that can be used include serum and plasma sample.
- Can detect both IgG & IgM separately and simultaneously, thus indicating status of acute infection, convalescence or previous exposure.
- Instant diagnosis enabling early detection as against Widal test which takes many hours to get results.
- Results within 15 minutes.
- Sensitivity & specificity in case of IgM:
 Sensitivity: 100%, Specificity: 99.3%
- Sensitivity & specificity in case of IgG:
 Sensitivity: 97%, Specificity: 99.3%
- Pack size of 20 and 50 tests





- Immucheck Malaria Pf/Pv kit utilizes monoclonal Abs to the P. falciparum specific histidine rich protein-2 (HRP-2) & P. vivax specific lactate dehydrogenase (pLDH). Thus helping in detection and differentiation of malaria by P. falciparum and P.vivax.
- Sensitivity: It can detect a minimum of 100 parasites/µl of whole blood.
- Sample that can be used is whole blood thus it can be used as a finger prick test at point of care.
- Visible results within 20 minutes.
- Inbuilt procedural control.
- Listed in WHO
- Pack size of 20 and 50 tests



Dengue NS1 AgRapid Card Test

- Immucheck Dengue plus is a one step immunochromatographic assay designed to detect Dengue NS1 antigens in serum or plasma sample.
- Our kit detects all the 4 dengue serotypes (DEN1, DEN2, DEN3 and DEN4)
 ensures the detection of Dengue at any stage of detection.
- Sensitivity NS1 95.8%.
- Visible results in 15 minutes
- No cross reaction with other flaviviruses
- Pack size of 20 tests





Check Dengue Plus (NS1 Ag/IgG/IgM Rapid Card Test

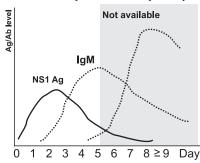
- Immucheck Dengue plus is a one step immunochromatographic assay designed to detect both dengue NS1 antigens and IgG/ IgM antibodies in serum or plasma sample.
- Our kit detects all the 4 dengue serotypes (DEN1, DEN2, DEN3 and DEN4) ensures the detection of Dengue at any stage of detection.
- Sensitivity IgM 83.3%, IgG >99.9%, NS1 95.8%.
- Visible results in 15 minutes
- No cross reaction with other flaviviruses
- Pack size of 10 tests



Rapid detection of Dengue at any stage of Infection

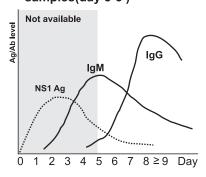
NS1 Ag

For acute phase samples (day 1-5)



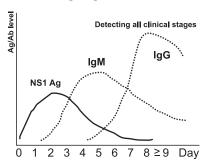
IgG/IgM

For convalescence phase samples(day 3-5)



ImmuCheck Dengue Plus

NS1/lgG/lgM



Dengue - The clinical course

Days of illness

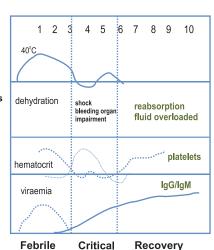
Temperature

· Potential clinical issues

Laboratory changes

· Serology and virology

Phase of illness





- Offers detection and differentiation of IgG and IgM antibodies against Filariasis parasites (W. Bancrofti and B. Malayi)- The most common infections prevalent in India. Thus differentiating acute and chronic infection.
- The tests can be performed with fingerstick Whole blood/Serum or plasma thus can be used in any setup.
- Inbuilt procedural control.
- Results within 15 minutes.
- Can be stored at RT (2-30 deg C) thus cold storage not required.
- Excellent performace
- For IgG antibody detection
 Sensitivity: 92.5%, Specificity: 98.4%
- For IgM antibody detectionSensitivity: 96.9% Specificity: 98.8%
- Sample volume required 40 microl





- Offers detection and differentiation of IgG and IgM antibodies against Leishmania donovani- The most common infections prevalent in India. Thus differentiating acute and chronic infection.
- The tests can be performed with fingerstick Whole blood/Serum or plasma thus can be used in any setup.
- Can be stored at RT (4-26 deg C) thus cold storage not required.
- Results within 15 minutes.
- Inbuilt procedural control.
- Excellent performace
- For IgG antibody detection
 Sensitivity: 92.5%, Specificity: 98.4%
- For IgM antibody detection
 Sensitivity: 96.9% and specificity: 98.8%



Wantai Rotavirus Ag in stool Rapid card test

- Rapid tests for detection of Rotavirus Ag in stool samples.
- 10 tests kit
- Sample collection tubes provided with the kit
- Results within 10 minutes.
- Sensitivity- 94.85% and Specificity- 98.55%
- Ready to use as stool sample collection tubes provided with the kit
- Can be stored at RT

Wantai HAV IgM Rapid Card Test

- Sample- serum/plasma
- 10 tests kit
- Sample dilution tubes provided with the kit
- Results within 10 minutes.
- Can be stored at RT



CHECK OUT OUR OTHER PRODUCTS



- MAGLUMI CLIA ANALYSER
- CHORUS IMMUNOASSAY ANALYSER
- FULLY AUTOMATED PROTEIN ANALYSER
- HbA1c WITH VARIANT & β THALASSEMIA MODE
- 2 PLATE AND 4 PLATE ELISA PROCESSORS
- **✓** IFA+ BLOT PROCESSOR
- FULLY AUTOMATED IMMUNOBLOT PROCESSOR AND ANALYSER
- 5 PART FULLY AUTOMATED HEMATOLOGY ANALYSER





INFECTIOUS ELISA ENDOCRINOLOGY ELISA

IMMUNOFLORESCENCE KITS IMMUNOBLOTS
LINE IMMUNOASSAY
KITS

AUTOIMMUNE ELISA MANY MORE
OTHER SPECIALITY
ELISA....





Promoting better diagnostic tools

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ADDRESS

312/309, Raheja Arcade, Sector-11, CBD, Belapur, Navi Mumbai- 400614, INDIA

CONTACT

- 9 306 306 306