



Complete Lab. Solution.

25 Years experience in diagnostics laboratories.

Hamdan for Medical Equipments can supply :

Diagnostics Lab.	Forensic Lab.
Molecular Biology Lab	Scientific Lab.
IVF. Lab.	Analytical Lab.
Histopathology Lab.	Veterinary Lab.
Blood Bank Lab.	Lab. Furniture's

Diagnostics Lab.: (Basic Lab Instruments)

No	Description	Code	Model	Company
1	3 Part Hematology Analyzer	HMA-H-3Part	Mythic 18	Orphee
	5 Part Hematology Analyzer	HMA-H-5Part	Mythic 22	Orphee
2	Auto Chemistry Analyzer	HMA-S-02	ACCENTMC240	Cormay
	Auto Chemistry Analyzer	HMA-S-01	ACCENT 200	Cormay
	Semi Auto Chemistry analyzer	HMA-S-03	Multi+	Cormay
3	Electrolyte Analyzer	HMA-E-02	Smart Lyte P	Diamond
4	Coagulometer	HMA-C-01	Coatron	Teco-G
5	Automated Immuno chemistry Analyzer	HMA-H-CLIA	A1860	Auto Bio
6	Immuno Hormone FLU analyzer	HMA-F-01	Getein 1100	GETEIN
7	Centrifuge – tube	HMA-TC-01	DM0412S	DLAB
8	Hematokrit Centrifuge	HMA-HT-01	DMH-01	DLAB
9	Incubator 50L	HMA-IN-50	IN-50	KG
10	Auto Clave	HMA-AC-01	AC-01	KG
11	Roller mixer	HMA-RM-01	MX-T6	DLAB
12	Microscope	HMA-LM-01	LM-01	KG
13	Water Bath	HMA-WB-12	WB-12	KG
14	Vortex	HMA-VX-01	VX-01	KG
15	Refractometer	HMA-RM-01	RM-01	KG
16	Trolley	HMA-TR-01	TR-01	Milano
17	Blood Chair	HMA-BC-01	BC-01	Milano
18	Pipette	HMA-PP-01	PP-01	DLAB
19	Vein viewer	HMA-VV-02	JP-260	NNMED

Diagnostics lab : (Special Tests instruments) :

No	Description	Code	Model	Company
1	Automated Immunity System	HMA-AA-01	Chorus Trio	Diesse
2	Florescent Microscope	HMA-FM-01	BA310E W	Motic
3	Electrophoresis System	HMA-MEP-01	HE	Hellabio
4	HPLC	HMA-HB-01	H100	Lifotronic
5	Blood Gas	HMA-BG-01	I15	EDAN
6	Billimeter	HMA-BM-01	5200	Aple
7	ESR	HMA-MESR	MINI CUBE	Diesse
8	Blood Cutler system	HMA-BC-32	BC60	AutoBio
9	Microbiology ID&AST	HMA-MA-120	AutoMic- i600	AutoBio
10	Automated Urine Analyzer	HMA-UA-01	AVE 752	AVE
11	Automated Fecal Analyzer	HMA-FA-01	AVE 562	AVE
12	Automated Sperm Analyzer	HMA-SA-01	WLJY-9000	We-Li
13	ELIZA Station	HMA-ES-02	DS2	Dynex
14	Eliza Reader	HMA-ER-01	KWP100A	Caretium
15	Eliza Washer	HMA-EW-01	KC100	Caretium
16	Micro blot Array ANA	HMA-MBA01	C series	Test Line
17	ImmunoBlot System	HMA-IB-01	M Blot	Test Line
18	Real Time PCR	HMA-RTPCR	Zulu RT	Streck
19	Flow Cytometry	HMA-FCM-01	A40	Apogee
20	Allergy System	HMA-AL-02	Q-Smart	Proteome



A1860 is the fully automatic Chemiluminescence immunoassay analyzer provided by Autobio

	Products Description AutoLumo A1860 Throughput: up to 180T/H. Time to 1st result: approximate 20mins. Random access
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Test Menu

Hepatitis B HBsAg HBsAb HBeAg HBeAb HBcAb HBc-IgM Pre-S1 Infectious Disease Anti-TP Anti-HCV Anti-HIV HAV-IgM HEV-IgG HEV-IgM HIV Ag/Ab TORCH CMV-IgM Toxo-IgM Rubella-IgM HSV-1 IgM HSV-2 IgM CMV-IgG Toxo-IgG Rubella-IgG HSV-1 IgG HSV-2 IgG Thyroid T4 TSH T3 FT3 FT4 Anti-Tg Anti-TPO TG PTH rT3 * Growth IGF-1 HGH	B Fertility Estradiol Prolactin Testosterone LH FSH Progesterone β HCG Hypertension Cortisol ACTH Aldosterone Renin Angiotensin II Tumor Marker AFP CEA CA50 CA125 C A15-3 CA19-9 β 2-MG CA72-4 SCCA NSE CYFRA21-1 PSA fPSA HE4 CA242* PGI* PGII* ProGRP* Diabetes Insulin C-Peptide Bone Metabolism OST * CT * 250H-VD	Hepato fibrosis C IV PIIINP HA LN CG Cardiac Marker CK-MB cTnI MYO NT-proBNP BNP * HS-cTnI * Pre-Natal $f\beta$ -HCG P-AFP uE3 * PAPP-A Anemia Ferr FA VB12 RTI & Other Infection MP-IgM * CP-IgM * LP-IgM * RSV-IgM * ADV-IgM * MP-IgG * EV71-IgM * COX-IgM * FluA-IgM * FluB-IgM * PIV-IgM * Others HS-CRP PCT DHEA SHBG 17 α -OH-P IGRA AMH
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Clinical Chemistry Analyzer by Cormay - Poland



ACCENT 200

- 200 tests per hour
- Optional bench top and floor standing
- Up to 40 positions for samples and reagents respectively
- Low cost disposable cuvettes
- Minimal reaction volume – 180µl



ACCENT S 120

- **Dedicated to small laboratories**
- **UP TO 120 T/H, 400 T/H with ISE**
- **CLOSED SYSTEM with 3 open channels**
- 40 positions for reagents and up to **80 positions** for samples in 24-hour refrigerated compartment (2~12°C)
- 40 disposable cuvettes
- **Only 100 µl minimum reaction volume**
- **Intelligent probe** (detection of: collision, liquid level, inventory monitoring, reagent pre-warming)
- Carry-over **≤ 0.05%**



ACCENT MC 240

- **Dedicated to small/medium laboratories**
- **CONSTANT 240 t/H, up to 400 t/h with ISE**
- **Closed system with 3 open channels**
- **50 positions** for reagent and up to **100 positions** for samples in 24-hour refrigerated compartment (2~12°C)
- 80 reusable reaction cuvettes
- **Only 100 µl minimum reaction volume**
- **Intelligent probe** (detection of: **clog**, collision, liquid level, inventory monitoring, reagent pre-warming)
- Waterfall probe cleaning, carry-over **≤ 0.05%**
- **Grating system** with 12 wavelengths



ACCENT M 320

- **Dedicated to medium laboratories**
- **Up to 320 t/H, up to 540 t/h with ISE**
- **Closed system with 3 open channels**
- **50 positions** for reagent and up to **100 positions** for samples in 24-hour refrigerated compartment (2~12°C)
- 80 reusable reaction cuvettes
- **Only 100 µl minimum reaction volume**
- **Intelligent probe** (detection of: **clog**, collision, liquid level, inventory monitoring, reagent pre-warming)
- Waterfall probe cleaning, carry-over **≤ 0.05%**
- **Grating system** with 12 wavelengths



ACCENT 220 S



MULTI +

- dedicated to small laboratories
- up to 220 tests/hour without ISE
- 385 tests/hour with ISE (3 ions)
- up to 33 positions for samples
- up to 35 positions for reagent and 3 ions
- flexible configuration for sample/reagent positions
- carry-over <0,1%
- liquid level detection & collision protection
- automatic dilution for abnormal sample
- bi-directional LIS interface

Sample of Tests Menu

Substrates	Electrolytes	Enzymes	Specific protein	
Albumin	Phosphorus	ALAT	IgA	Antithrombin III
Total protein	Magnesium	ASAT	IgG	CRP ultra
Bilirubin direct	Calcium	ALP	IgM	Myoglobin
Bilirubin total	Ferrum	ACP	Apolipoprotein B	Lipoprotein (a)
Cholesterol	UIBC	CK	Transferrin	Ferritin
Cholesterol HDL		CK-MB	C3	Total IgE
Cholesterol LDL		GGT	C4	Alpha - fetoprotein
Glucose		HBDH	Haptoglobin	Beta 2-microglobulin
Creatinine		LDH	Ceruloplasmin	Alpha 1-microglobulin
Uric acid		Lipase	Fibrinogen	Rheumatoid factor
Urea		ACP	Alpha 1-glicoprotein acid	Antistreptolysin O
Triglycerides		CHOLINESTERASE	Alpha 1-antitrypsin	HbA1c
Lactate			Cystatin C	D-Dimer
Ethanol				
Microalbumin				
Urine Protein				

Hematology Analyzer by Orphee –Switzerland



Mythic 18

3-Part Hematology Analyzer

- Fully automated 20 parameters analyzer
- Compact sized with simple and easy maintenance
- Low reagent consumptions
- Low ($< 9,6 \mu\text{l}$) blood sample volume per test
- QVGA touch screen
- Up to 60 samples/hr



Mythic 22 OP

5-Part Hematology Analyzer

- True 5-DIFF technology
- Compact sized with less maintenance
- Low ($< 15,7 \mu\text{l}$) blood sample volume per test
- Only 3 reagents (low cost of analysis)
- Up to 50 samples/hr
- 24 parameters



Mythic 22 AL

5-Part Hematology Analyzer

- True 5-DIFF technology
- Automatic loader for 50 samples
- Continuous loading of racks (walk away analyzer)
- External and internal barcode readers
- Determination of urgent samples
- Large, color LCD touch screen
- External computer keyboard
- Only 3 reagents for 24 parameters analysis
- Monitoring level of reagents
- Sample volume $<18,7 \mu\text{l}$ in loader and open mode
- Up to 50 samples/hr
- Technology protected by 7 patents
- One of the smallest AL analyzers in the world



Mythic 60

5-Part Hematology Analyzer

- True 5-DIFF technology
- LED-based flow cytometry single cell measurement
- Dynamic Clustering for individualized results for each patient
- Only 3 reagents
- Modern, compact design with 8.4-inch LED touch screen
- User-friendly software
- Pre-diluted mode with automated diluent dosage
- Sampling volume $15,6 \mu\text{l}$
- Low reagents consumption
- Improved fluidic system and electronic design
- 98,5% uptime
- Up to 60 samples/hr
- External USB keyboard and USB barcode reader included
- 28 parameters

Diagnostics Laboratory Instruments

1	3 Part Hematology Analyzer	HMA-H-3Part	Mythic 18	Orphee	Switzerland
			-Fully automated 20 parameters analyzer -60 samples / hour -New parameters - RDW-SD, P-LCR -Compact sized with simple and easy maintenance -Low reagent consumptions -Low (< 10 ?!) blood sample volume per test -QVGA touch screen		
2	5 Part Hematology Analyzer	HMA-H-5Part	Mythic 22	Orphee	Switzerland
			<ul style="list-style-type: none"> True 5-DIFF technology Compact sized with less maintenance Low (< 15,7 µl) blood sample volume per test Only 3 reagents (low cost of analysis) Up to 50 samples/hr 24 parameters 		
2	Auto Chemistry Analyzer	HMA-S-01	ACCENT 200	Cormay	Poland
			-200 tests per hour -Optional bench top and floor standing -Up to 40 positions for samples and reagents respectively -Low cost disposable cuvettes -Minimal reaction volume – 180µl		
3	Auto Chemistry Analyzer	HMA-S-03	ACCENT MC 240	Cormay	Poland
			<ul style="list-style-type: none"> Dedicated to small/medium laboratories CONSTANT 240 t/H, up to 400 t/h with ISE Closed system with 3 open channels 50 positions for reagent and up to 100 positions for samples in 24-hour refrigerated compartment (2~12°C) 80 reusable reaction cuvettes Only 100 µl minimum reaction volume Intelligent probe (detection of: clog, collision, liquid level, inventory monitoring, reagent pre-warming) Waterfall probe cleaning, carry-over ≤ 0.05% Grating system with 12 wavelengths 		

3	Semi – Chemistry Analyzer	HMA-S-07	Multi +	Cormay	Poland
			<ul style="list-style-type: none"> • Semi-automatic chemistry analyzer • Wavelength: 330-800 nm • Reaction cuvette: Flow-cell or plastic disposable cuvettes (10 µl) • Report: Print synthetic report, test parameter, reaction curve, calibration curve, quality control data figure 		
4	Electrolyte Analyzer	HMA-E-01	Smart Lyte +	Diamond	USA
			<p>-Automated system measuring Na+, K+, Cl-, Ca++ and Li+</p> <p>-Samples: whole blood, serum, plasma and urine - external LIS systems, operation with a new touch screen interface, bar code scanner</p> <p>-storage and retrieval of over 10,000 patient results</p>		
5	Coagulometer	HMA-C-01	Coatron X	Teco-G	Germany
			The unique detection principle in combination with the high-level analytical algorithm calculates exact, precise and reproducible results. Easy in operation – self instructing user dialogue - reliable		
6	Immuno Chemistry Analyzer	HMA-A-1860	A1000	AutoBio	International
			Chemiluminescence Immunoassay (CLIA) platform, pg level detection sensitivity. 24h standby, no daily maintenance, 600 days without failure cycle. A key to start, automatic detection, Using ready-to-use. 10-20 minutes test time, speed up to 100 tests / hour. No consumables, Low instrument and maintenance cost.		
7	Immunofluorescence Quantitative Analyzer	HMA-IF-1100	Getein 1100	Getein	International
			Getein1100 Immunofluorescence Quantitative Analyzer is an advanced on-site diagnostic analyzer, intended to deliver accurate testing results in minutes just from 3-4 drops of human specimens. Thanks to its simple design and small footprint, Getein1100 becomes an ideal system for emergency department, intensive care unit, or anywhere treatment and research needed at the point of care.		

8	Centrifuge – tube	HMA-TC-01	DM0412S	DLAB	USA
			<ul style="list-style-type: none"> - Max. speed at 4500rpm - Precise control of speed and time separately - Faster acceleration and deceleration - Perfectly suited for 15mL cell culture tubes and a full line of collection tubes 		
9	Hematokrit Centrifuge	HMA-HT-01	DMH-01	DLAB	International
			<ul style="list-style-type: none"> -Speed range of 200~14000rpm, Max. RCF 18620xg -control of speed and time separately -Easy operation with intuitive menu and easy-to-read display -Maintenance-free brushless DC motors operation for quick spins Rotor -capacity: Hematocrit rotor: 24 capillary Max. speed:12000rpm Tube rotor: 1.5/2mLx24 Max. speed:14000rpm 		
10	Microscope	HMA-LM-01	LM-01	KG	International
			<ul style="list-style-type: none"> -Viewing head Binocular measuring single tube 30 ° angle 360 ° rotation Interpupillary Distance 48mm -75mm Eyepiece WF10 X / WF16X -Objective Achromate objective: Achromate 4X/0.10 Achromate 10X/0.25 Achromate 40X/0.65 Achromate 100X/1.25 		

11	Incubator 50L	HMA-IN-50	IN-50	Thermo lab	International
			<ul style="list-style-type: none"> • Temperature Range Ambient - 800.1°C • Temperature sensor pt-100 • Control system PID Microprocessor - • Temperature sensitivity ± 0.1 °C • Display Sensitivity ± 0.1 °C • Temperature fluctuation ± 0.1 °C • Timer 999 min • Useful Volume (Liters) 44 • Power consumption (Watt) 350 • No. Of shelf Standard /max 2-6 		
12	Autoclave	HMA-AC-01	AC-01	KG	International
			<ul style="list-style-type: none"> - Semi-automatic control systems by position sterilizing -drying switch to work sterilizing or drying function -Sterilizing time and drying time is adjustable from 0-60mins on timer. 		
13	Roller mixer	HMA-RM-01	MX-T6	DLAB	USA
			<ul style="list-style-type: none"> - LCD displays the speed and time - Speed range of 10~70rpm - Six roller design for gentle rolling and easy to clean - Continuous or timer operation 		
14	Water Bath	HMA-WB-12	WB-12	Thermo lab	International
			Volume 22 L. Temp setting Analog Temp readout Thermometer Temp preset N.A. Max temperature 100°C Temp stability ±0.2°C Temp uniformity ±0.01°C Temp control ON/OFF		

15	Vortex	HMA-VX-01	VX-01	DLAB	USA
			New vortex mixers suitable for touch or continuous operation MX-S with wide speed range: 0-2500rpm/min, stepless speed regulation of motor Sturdy cast casing		
16	Refractometer	HMA-RM-01	RM-01	KG	International
			A refractometer is a laboratory or field device for the measurement of an index of refraction (refractometry).		
17	Trolley	HMA-TR-01	TR-01	Milano	Local
			Lab Trolley 50x40x70 Mobile		
18	Blood Chair	HMA-BC-01	BC-01	Milano	Local
			Lab Blood Chair Mufti size 4 Positions		
19	Vein viewer	HMA-VV-02	JP-260	NNMED	International
		 	- Two kinds of imaging modes: blue and white, red and green, one-click switching freely - Image performance optimization, adjustable brightness, high accurate - Medical cold light, safe for your eyes - Sleep function, more comfortable operation - Elegant design, easy to carry		
20	Pipette	HMA-PP-01	PP-01	DLAB	USA
			Single-channel Adjustable Volume 0.5-10µl 5-50µl 2-20µl 0.1-2.5µl 10-100µl 20-200µl 50-200µl 100-1000µl 200-1000µl 1000-5000µl		
21	Compete Lab Reagents	HMA-LR-01	MIX	MIX	MIX
22	Complete Lab Accessories	HMA-LA-01	MIX	MIX	MIX
23	Complete Lab Consumables	HMA-LC-01	MIX	MIX	MIX

Diagnostics Special Lab Tests Instruments

1	Automated Immunity System	HMA-AA-01	Chorus Trio	Diesse	Italy
2	Florescent Microscope	HMA-FM-01	BA310E W	Motic	International
3	Electrophoresis System	HMA-MEP-01	HE	Hellabio	Greece
4	HPLC Hemoglobin Analyzer	HMA-HB-01	H100	Lifotronic	International
5	Blood Gas	HMA-BG-01	I15	EDAN	International

6	Billimeter	HMA-BM-01	5200	Aple	Japan
				The dual wavelength measuring method of BR-5200P eliminates interference of hemolysis and turbidity.	
7	ESR	HMA-MESR	MINI CUBE	Diesse	Italy
			The Diesse MINI-CUBE is an automated erythrocyte sedimentation rate (ESR) analyzer that produces results directly from EDTA tubes without consuming the patient sample. The MINI-CUBE produces results in 20 minutes, utilizes bar code scanning for positive patient identification and easily interfaces to LIS.		
8	Blood Cutler system	HMA-BC-32	BC60	AutoBio	International
			Special selected V and X factors added on the culture medium improves detection rate of fastidious bacteria. Addition of Macroporous resin and cation assure great capability of antibiotics neutralization; Vaccum quantitative blood collection supported; Double bar code management for traceability of analysis; High-strength plastic material of the bottle guarantees reliable bio-safety; The culture bottle is compatible with imported instruments; Minimum positive sample detection time is 3 hours.		
9	Microbiology ID&AST	HMA-MA-120	AutoMic- i600	AutoBio	International
			AutoMic-i600 was developed for quick and accurate microbial identification and antibiotic susceptibility testing(ID-AST). It supports automatic sample pipetting, incubation and detection. Five different antibiotic cards including the most comprehensive antibiotic panels help microbiologists to find out suitable antimicrobial treatment within much shorter time.		
10	Automated Urine Analyzer	HMA-UA-01	AVE -752	AVE	International
			Fully Automated Urine Analyzer Fast, reliable and cost-effective; Innovative cassette strip loading system; Unique sample sprinkling technology to avoid un-detection and interference; Separate module for measuring urine physical parameters*; Automatic quality control analysis Optimized all-round washing technology		

11	Automated Fecal Analyzer	HMA-FA-01	AVE 562	AVE	International
			Fully Automated Feces Analyzer * Physical Exams: Image Stored; * Sample Preparation: Diluted, Mixed, Filtrated and Recycled; * Formed Elements Test by Microscopy: Full-field Scanned, Located and Tracked, Recognized, Classified and Counted; * Occult Blood Test, Virological Test, Bacteriological Test: Coloration, Image Capture, Automatic Identification.		
12	Automated Sperm Analyzer	HMA-SA-01	WLJY-9000	We-Li	International
			WLJY-9000Weili Color Sperm Analysis System applies IT technique and advanced image processing technique to clinical test of sperm quality. In conformity with Sperm test standards of WHO, this system provide accurate values of test items of Sperm quality by fully analyzing the motion characteristics of sperm in images of Sperm in dynamic or static state . The whole test process takes a very short time and can provide a complete set of values for diagnosis of male reproductivity		
13	ELIZA Station	HMA-ES-02	DS2	Dynex	USA
			The DYNEX DS2® system is one of a kind – dynamic, precise and cost-effective processing systems. This breakthrough 2-plate ELISA processing system guarantees to change the game for laboratories looking to streamline their processes and save valuable resources. If you're a time-strapped facility with high demands, the DS2® is the solution you're searching for. Designed to cut costs, save labor and enhance your speed, the DS2® never compromises when it comes to unbeatable quality control.		
14	Eliza Reader	HMA-ER-01	KC 100	Caretium	International
			Microplate Reader Independent operating system Flexible touch screen, quick layout PC workstation available Reliable optical path design for improved accuracy Multiple calculation rules available		

15	Eliza Washer	HMA-EW-01	KWP 100A	Caretium	International
16	Micro blot Array ANA	HMA-MBA01	C series	Test Line	Czech
17	ImmunoBlot System	HMA-IB-01	BLUEDIVER	Test Line	Czech
18	Real Time PCR	HMA-RTPCR	Zulu RT	Streck	USA
19	Flow Cytometry	HMA-FCM-01	A40	Apogee	UK
20	Allergy System	HMA-AL-02	Q-Smart	Proteome	Korea

CHORUS TRIO



THE IMMUNOASSAY SPECIALTIES SOLUTION

DIESSE
DIAGNOSTICS EVOLUTION

BENEFITS FOR THE LABORATORY

→ Clinical effectiveness

more than 150 specialty tests consolidated in a single system

→ Performance

monotest format in convenient packaging – one calibration point with memorized master curve

→ Efficiency

NO hidden costs
NO waste of reagents

→ Flexibility

up to 30 different tests per run

→ Safe and easy to use system

minimal manual operation required



A VERY SIMPLE PROCEDURE

- Read the bar code label of the device
- Read the bar code label of the sample tube
- Dispense the serum



PLACE THE DEVICE IN THE INSTRUMENTS

Monotest format, convenient packaging, calibrator and control included in the kits

AUTOSAMPLER



- No additional space required
- Complete automation
- Two-way connection to the LIS
- Complete traceability of results



PRESS RUN

The instrument performs the test indicated by the barcode label

THE IMMUNOASSAY SPECIALTIES SOLUTION

Results with DIESSE proven technology and quality

INFECTIOUS DISEASES

TORCH

CYTOMEGALOVIRUS
HERPES SIMPLEX 1+2
RUBELLA
TOXOPLASMA

CHILDHOOD DISEASES

MEASLES
MUMPS
PARVOVIRUS B19
VARICELLA

VACCINABLE

DIPHTHERIA
POLIOVIRUS
TETANUS

BACTERIAL RESPIRATORY INFECTIONS

BORDETELLA PERTUSSIS
CHLAMYDOPHILA PNEUMONIAE
LEGIONELLA PNEUMONIAE
MYCOPLASMA PNEUMONIAE

VIRAL RESPIRATORY INFECTIONS

ADENOVIRUS
INFLUENZA A
INFLUENZA B
RESPIRATORY SYNCYTIAL VIRUS
SARS-CoV-2
suPAR

FUNGAL INFECTIONS

ASPERGILLUS Galactomannan Ag
(NEW)

SEXUALLY TRANSMITTED DISEASES

CHLAMYDIA TRACHOMATIS
TREPONEMA

GASTROINTESTINAL DISEASES

HELICOBACTER PYLORI

MONONUCLEOSIS

EPSTEIN-BARR

VECTOR TRANSMITTED DISEASES

CHIKUNGUNYA
DENGUE (NEW)
TOSCANA VIRUS IgG

ZIKA (NEW)
WEST NILE (NEW)

ZOONOSIS

BORRELIA
BRUCELLA
ECHINOCOCCUS
Q FEVER
TICK-BORNE ENCEPHALITIS VIRUS
TOXOCARA

URINARY ANTIGENS

LEGIONELLA URINARY ANTIGEN

FECAL ANTIGENS

CALPROTECTIN
CLOSTRIDIUM DIFFICILE
HELICOBACTER PYLORI

INFLAMMATORY MARKERS

suPAR Extended (NEW)

BONE METABOLISM

25OH VITAMIN D

AUTOIMMUNITY

RHEUMATOLOGY

ANA
anti-CCP
Cenp-B
dsDNA
ENA-6 S
Jo-1
RF
Scl-70
SM
snRNP-C
SS
U1-70 RNP

THYROID

a-TG
a-TPO
TRAb

THROMBOSIS

BETA 2-GLYCOPROTEIN
CARDIOLIPIN

PHOSPHOLIPID SCREEN

HEPATOTOLOGY

AMA-M2
LKM-1

VASCULITIS

GBM
MPO
PR3

GASTROENTEROLOGY

ASCA
DEAMIDATED GLIADIN
GLIADIN
INTRINSIC FACTOR
tTg

BIOLOGIC DRUGS MONITORING

CHORUS Promonitor INFILIXIMAB; anti-IFX
CHORUS Promonitor ADALIMUMAB; anti-ADL
CHORUS Promonitor USTEKINUMAB; anti-UTK (NEW)
CHORUS Promonitor VEDOLIZUMAB; anti-vDZ (NEW)

ENDOCRINOLOGY

THYROID

fT3
fT4
TSH

FERTILITY

FSH
LH
PRL

TUMOR MARKERS

PSA
TG

ANEMIA

VIT B12*
FOLATE*

ALLERGY

TOTAL IgE

*coming soon

TECHNICAL FEATURES

FEATURES	CHORUS TRIO	AUTOSAMPLER
ETHERNET	Yes	-
DISPLAY	6" 640x480 a 24 bit (full RGB)	4,3" WQVGA 16.7M Color RGB
NOISE LEVEL	< 80 dB	< 80 dB
BAR-CODE READER	AUTOMATIC INTERNAL, EXTERNAL	AUTOMATIC INTERNAL
CONNECTIONS	2 USB Host, 1 USB Client, 1 RS232C, 1 LAN	1 USB Host, 1 USB Client, 1 RS232C
DIMENSIONS (H X D X W) mm	450 X 660 X 520	365 X 656 X 288
WEIGHT	45 kg	13,5 kg
POWER SUPPLY	110/220 V	110/220 V
FREQUENCY	50-60Hz	50-60Hz
ABSORBED POWER	360 W	100 W



www.diesse.it



kit list

CODE	NAME	TEST	ELISA METHOD
INFECTIOUS DISEASES			
TORCH			
81010	CHORUS CYTOMEGALOVIRUS IgG	36	Indirect assay
81092	CHORUS CYTOMEGALOVIRUS IgG AVIDITY	12	Indirect assay
81011	CHORUS CYTOMEGALOVIRUS IgM	36	Indirect assay
81012	CHORUS CYTOMEGALOVIRUS IgM CAPTURE	36	Capture assay
81018	CHORUS HSV1 SCREEN	36	Competitive assay
81019	CHORUS HSV 2 SCREEN	36	Competitive assay
81020	CHORUS HERPES SIMPLEX 1+2 IgG	36	Indirect assay
81021	CHORUS HERPES SIMPLEX 1+2 IgM	36	Indirect assay
81023	CHORUS HSV1 IgG RECOMBINANT	36	Indirect assay
81029	CHORUS HSV 2 IgG RECOMBINANT	36	Indirect assay
81030	CHORUS RUBELLA IgG	36	Indirect assay
81095	CHORUS RUBELLA IgG AVIDITY	12	Indirect assay
81031	CHORUS RUBELLA IgM	36	Indirect assay
81040	CHORUS TOXOPLASMA IgG	36	Indirect assay
81098	CHORUS TOXOPLASMA IgG AVIDITY	12	Indirect assay
81041	CHORUS TOXOPLASMA IgM	36	Indirect assay
81042	CHORUS TOXOPLASMA IgM CAPTURE	36	Capture assay
81043 - 81043/12	CHORUS TOXOPLASMA IgA	36 / 12	Indirect assay
81044	CHORUS TOXOPLASMA IgA CAPTURE	36	Capture assay
CHILDHOOD DISEASES			
81072	CHORUS MEASLES IgG	36	Indirect assay
81073 - 81073/12	CHORUS MEASLES IgM	36 / 12	Indirect assay
81075	CHORUS MUMPS IgG	36	Indirect assay
81076 - 81076/12	CHORUS MUMPS IgM	36 / 12	Indirect assay
81150	CHORUS PARVOVIRUS B19 IgG	36	Indirect assay
81152	CHORUS PARVOVIRUS B19 IgM	36	Indirect assay
81078	CHORUS VARICELLA IgG	36	Indirect assay
81079 - 81079/12	CHORUS VARICELLA IgM	36 / 12	Indirect assay
VACCINABLES			
81266 - 81266/12	CHORUS DIPHTHERIA IgG	36 / 12	Indirect assay
81264 - 81264/12	CHORUS POLIOVIRUS IgG	36 / 12	Indirect assay
81270 - 81270/12	CHORUS TETANUS IgG	36 / 12	Indirect assay
BACTERIAL RESPIRATORY INFECTIONS			
81274	CHORUS BORDETELLA PERTUSSIS TOXIN IgA	36	Indirect assay
81272	CHORUS BORDETELLA PERTUSSIS TOXIN IgG	36	Indirect assay
81252	CHORUS CHLAMYDOPHILA PNEUMONIAE IgA	36	Indirect assay
81250	CHORUS CHLAMYDOPHILA PNEUMONIAE IgG	36	Indirect assay
81251	CHORUS CHLAMYDOPHILA PNEUMONIAE IgM	36	Indirect assay
81091 - 81091/12	CHORUS LEGIONELLA PNEUM.1 IgG	36 / 12	Indirect assay
81090 - 81090/12	CHORUS LEGIONELLA PNEUM.1-6 IgG	36 / 12	Indirect assay
81093 - 81093/12	CHORUS LEGIONELLA PNEUM. IgM	36 / 12	Indirect assay
81033	CHORUS MYCOPLASMA PNEUM. IgA	36	Indirect assay
81034	CHORUS MYCOPLASMA PNEUM. IgG	36	Indirect assay
81035	CHORUS MYCOPLASMA PNEUM. IgM	36	Indirect assay
VIRAL RESPIRATORY INFECTIONS			
81198 - 81198/12	CHORUS ADENOVIRUS IgA	36 / 12	Indirect assay
81196 - 81196/12	CHORUS ADENOVIRUS IgG	36 / 12	Indirect assay
81192 - 81192/12	CHORUS INFLUENZA A IgA	36 / 12	Indirect assay
81190 - 81190/12	CHORUS INFLUENZA A IgG	36 / 12	Indirect assay
81195 - 81195/12	CHORUS INFLUENZA B IgA	36 / 12	Indirect assay
81193 - 81193/12	CHORUS INFLUENZA B IgG	36 / 12	Indirect assay

81037 - 81037/12	CHORUS RESPIRATORY SYNCYTIAL VIRUS IgA	36 / 12	Indirect assay
81036 - 81036/12	CHORUS RESPIRATORY SYNCYTIAL VIRUS IgG	36 / 12	Indirect assay
81402	CHORUS SARS-CoV-2 IgA	36	Indirect assay
81400	CHORUS SARS-CoV-2 IgG	36	Indirect assay
81401	CHORUS SARS-CoV-2 IgM	36	Indirect assay
81406	CHORUS SARS-CoV-2 SCREEN SERUM	36	Competitive assay
81410	CHORUS SARS-CoV-2 ANTIGEN	36	Sandwich assay
81408	CHORUS SARS-CoV-2 "NEUTRALIZING" Ab	36	Competitive assay
81412	CHORUS suPAR	36	Sandwich assay
FUNGAL INFECTIONS			
81178	CHORUS ASPERGILLUS GALACTOMANNAN AG (NEW)	36	Sandwich assay
SEXUALLY TRANSMITTED DISEASES			
81262	CHORUS CHLAMYDIA TRACHOMATIS IgA	36	Indirect assay
81261	CHORUS CHLAMYDIA TRACHOMATIS IgG	36	Indirect assay
81100	CHORUS SYPHILIS SCREEN RECOMBINANT	36	Sandwich assay
81050 - 81050/12	CHORUS TREPONEMA IgG	36 / 12	Indirect assay
81051 - 81051/12	CHORUS TREPONEMA IgM	36 / 12	Capture assay
GASTROINTESTINAL DISEASES			
81062	CHORUS HELICOBACTER PYLORI IgA	36	Indirect assay
81060	CHORUS HELICOBACTER PYLORI IgG	36	Indirect assay
MONONUCLEOSIS			
81058 - 81058/12	CHORUS EPSTEIN-BARR EARLY ANTIGEN IgG	36 / 12	Indirect assay
81059 - 81059/12	CHORUS EPSTEIN-BARR EARLY ANTIGEN IgM	36 / 12	Indirect assay
81057	CHORUS EPSTEIN-BARR EBNA IgG	36	Indirect assay
81055	CHORUS EPSTEIN-BARR VCA IgG	36	Indirect assay
81054	CHORUS EPSTEIN-BARR VCA IgM II	36	Indirect assay
VECTOR TRANSMITTED DISEASES			
81133	CHORUS CHIKUNGUNYA IgG	36	Indirect assay
81134	CHORUS CHIKUNGUNYA IgM	36	Indirect assay
81154	CHORUS DENGUE IgG	36	Indirect assay
81157	CHORUS DENGUE IgM CAPTURE (NEW)	36	Capture assay
81155	CHORUS DENGUE NS1 (RUO) (NEW)	36	Sandwich assay
81067 - 81067/12	CHORUS TOSCANA VIRUS IgG	36 / 12	Indirect assay
81068 - 81068/12	CHORUS TOSCANA VIRUS IgM	36 / 12	Capture assay
81158	CHORUS ZIKA IgG (NEW)	36	Indirect assay
81161	CHORUS ZIKA IgM CAPTURE (NEW)	36	Capture assay
81159	CHORUS ZIKA NS1 (RUO) (NEW)	36	Sandwich assay
81174	CHORUS WEST NILE IgG (NEW)	36	Indirect assay
81176	CHORUS WEST NILE IgM (NEW)	36	Indirect assay
ZOONOSIS			
81046	CHORUS BORRELIA IgG	36	Indirect assay
81047	CHORUS BORRELIA IgM	36	Indirect assay
81048	CHORUS BORRELIA IgG CSF	12	Indirect assay
81164	CHORUS BRUCELLA IgG	36	Indirect assay
81166	CHORUS BRUCELLA IgM	36	Indirect assay
81284	CHORUS ECHINOCOCCUS IgG	12	Indirect assay
81171	CHORUS Q FEVER PHASE II IgG	36	Indirect assay
81172	CHORUS Q FEVER PHASE II IgM	36	Indirect assay
81276	CHORUS TICK-BORNE ENCEPHALITIS VIRUS IgG	36	Indirect assay
81277	CHORUS TICK-BORNE ENCEPHALITIS VIRUS IgM	36	Indirect assay
81280	CHORUS TOXOCARA IgG	12	Indirect assay
INFLAMMATORY MARKERS			
81414	CHORUS suPAR Extended (NEW)	36	Sandwich assay
STOOL ANTIGENS			
86600	CHORUS CALPROTECTIN	12	Sandwich assay

86600-C03	CHORUS CALPROTECTIN	12	Sandwich assay
86601	CHORUS CALPROTECTIN K	12	Sandwich assay
86602	CHORUS COPROCOLLECT	20	NA
81168	CHORUS CLOSTRIDIUM DIFFICILE GDH	12	Sandwich assay
81170	CHORUS CLOSTRIDIUM DIFFICILE A/B	12	Sandwich assay
81063	CHORUS HELICOBACTER PYLORI Ag	12	Sandwich assay
URINARY ANTIGENS			
81301	CHORUS LEGIONELLA URINARY ANTIGEN	12	Indirect assay
BONE METABOLISM			
86900	CHORUS 25OH VITAMIN D TOTAL	36	Indirect assay
AUTOIMMUNITY			
RHEUMATOLOGY			
86010 - 86010/12	CHORUS ANA-8	36 / 12	Indirect assay
86014 - 86014/12	CHORUS ANA-SCREEN	36 / 12	Indirect assay
86094 - 86094/12	CHORUS anti-CCP	36 / 12	Indirect assay
86028 - 86028/12	CHORUS Cenp-B	36 / 12	Indirect assay
86032 - 86032/12	CHORUS dsDNA-G	36 / 12	Indirect assay
86034 - 86034/12	CHORUS dsDNA-M	36 / 12	Indirect assay
86012 - 86012/12	CHORUS ENA-6 S	36 / 12	Indirect assay
86030 - 86030/12	CHORUS Jo-1	36 / 12	Indirect assay
86038 - 86038/12	CHORUS RF-G	36 / 12	Indirect assay
86040 - 86040/12	CHORUS RF-M	36 / 12	Indirect assay
86026 - 86026/12	CHORUS Scl-70	36 / 12	Indirect assay
86016 - 86016/12	CHORUS SM	36 / 12	Indirect assay
86092 - 86092/12	CHORUS SnRNP-C	36 / 12	Indirect assay
86018 - 86018/12	CHORUS SS-A	36 / 12	Indirect assay
86024 - 86024/12	CHORUS SS-B	36 / 12	Indirect assay
86088 - 86088/12	CHORUS U1-70 RNP	36 / 12	Indirect assay
THYROID			
86072	CHORUS a-TG	36	Indirect assay
86074	CHORUS a-TPO	36	Indirect assay
86112	CHORUS TRAb	36	Indirect competitive two-step assay
THROMBOSIS			
86050 - 86050/12	CHORUS BETA 2-GLYCOPROTEIN-G	36 / 12	Indirect assay
86052 - 86052/12	CHORUS BETA 2-GLYCOPROTEIN-M	36 / 12	Indirect assay
86046 - 86046/12	CHORUS CARDIOLIPIN-G	36 / 12	Indirect assay
86048 - 86048/12	CHORUS CARDIOLIPIN-M	36 / 12	Indirect assay
86106	CHORUS PHOSPHOLIPID SCREEN-G	36	Indirect assay
86108	CHORUS PHOSPHOLIPID SCREEN-M	36	Indirect assay
HEPATOTOLOGY			
86084 - 86084/12	CHORUS AMA-M2	36 / 12	Indirect assay
86080 - 86080/12	CHORUS LKM-1	36 / 12	Indirect assay
VASCULITIS			
86070 - 86070/12	CHORUS GBM	36 / 12	Indirect assay
86068 - 86068/12	CHORUS MPO	36 / 12	Indirect assay
86066 - 86066/12	CHORUS PR3	36 / 12	Indirect assay
GASTROENTEROLOGY			
86062 - 86062/12	CHORUS ASCA-A	36 / 12	Indirect assay
86064 - 86064/12	CHORUS ASCA-G	36 / 12	Indirect assay
86098 - 86098/12	CHORUS DEAMIDATED GLIADIN-A	36 / 12	Indirect assay
86100 - 86100/12	CHORUS DEAMIDATED GLIADIN-G	36 / 12	Indirect assay
86054 - 86054/12	CHORUS GLIADIN-A	36 / 12	Indirect assay
86056 - 86056/12	CHORUS GLIADIN-G	36 / 12	Indirect assay
86090 - 86090/12	CHORUS INTRINSIC FACTOR	36 / 12	Indirect assay
86058 - 86058/12	CHORUS tTg-A	36 / 12	Indirect assay

86060 - 86060/12	CHORUS tTg-G	36 / 12	Indirect assay
BIOLOGIC DRUGS MONITORING			
86700	CHORUS Promonitor INFILIXIMAB	36	Capture assay
86701	CHORUS Promonitor ANTI-INFILIXIMAB	36	Bridging assay
86702	CHORUS Promonitor ADALIMUMAB	36	Sandwich assay
86703	CHORUS Promonitor ANTI-ADALIMUMAB	36	Bridging assay
86712	CHORUS Promonitor USTEKINUMAB (NEW)	36	Bridging assay
86713	CHORUS Promonitor ANTI-USTEKINUMAB (NEW)	36	Bridging assay
86710	CHORUS Promonitor VEDOLIZUMAB (NEW)	36	Sandwich assay
86711	CHORUS Promonitor ANTI-VEDOLIZUMAB (NEW)	36	Bridging assay
ENDOCRINOLOGY			
THYROID			
86518	CHORUS fT3	36	Competitive assay
86520	CHORUS fT4	36	Competitive assay
86516	CHORUS TSH	36	Sandwich assay
FERTILITY			
86510	CHORUS FSH	36	Sandwich assay
86512	CHORUS LH	36	Sandwich assay
86514	CHORUS PRL	36	Sandwich assay
TUMOR MARKERS			
86550	CHORUS PSA	36	Sandwich assay
86076 - 86076/12	CHORUS TG	36 / 12	Sandwich assay
86110	CHORUS TG EXTENDED RANGE	36	Sandwich assay
ANAEMIA			
86400	CHORUS VIT B12*	36	Competitive assay
86402	CHORUS FOLATE*	36	Competitive assay
ALLERGY			
88000	CHORUS TOTAL IgE	36	Sandwich assay
Complement fixation test CHORUS			
BACTERIAL SEROLOGY ANTIGENS			
85367	CHORUS LEPTOSPIRA MIX	12	Complement Fixation Test
85344	CHORUS LISTERIA MONOCYTOGENES	12	Complement Fixation Test
NEUROTROPIC ANTIGENS			
85275	CHORUS ECHO VIRUS N MIX	12	Complement Fixation Test
PNEUMOTROPIC ANTIGENS			
85221	CHORUS ECHO VIRUS P MIX	12	Complement Fixation Test
85225	CHORUS PARAINFLUENZA MIX	12	Complement Fixation Test
COXSACKIE ANTIGENS			
85313	CHORUS COXSACKIE VIRUS A MIX	12	Complement Fixation Test
85251	CHORUS COXSACKIE VIRUS B MIX	12	Complement Fixation Test

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chorus line



A WIDE PANEL
OF **TESTS**
FOR THE
SEROLOGICAL
DIAGNOSIS
OF

VIRAL RESPIRATORY INFECTIONS

Single test ready to use devices

Convenient packaging 6x6 devices
in re-sealable pouches

Truly walk-away system

Reduction of the turn-around time

NICESE
UIESSE

VIRAL RESPIRATORY INFECTIONS

Acute Viral respiratory tract infections (RTI) are a major cause of morbidity and mortality worldwide, particularly in children less than 5 years of age and in the elderly, mainly for what concerns nosocomial or community acquired pneumonia. Due to the recent availability of effective medicines against Respiratory Syncytial Virus (RSV) and Influenza A and B Viruses, an accurate virological diagnosis can be helpful in the management of the patients. On the other hand, the detection of a viral cause for RTI may lead to a more rational use of antibiotics, ineffective in viral infections, thus limiting the development of antibiotic resistant bacterial strains.

Diagnosing viral RTI can be challenging as clinical symptoms are often not specific and can be mimicked by other conditions. For this reason, serology plays a great role, in conjunction with clinical findings and

with the direct detection of viral antigens and /or nucleic acids, in the final identification of the pathogen responsible of the disease.

Among serological methods, Complement Fixation Test is very useful for the detection of the acute phase of the disease thanks to the distinctive timing of production and disappearance of complement-fixing antibodies. As this method cannot differentiate between the various classes of antibodies, in more recent years have been developed tests based on the ELISA methodology that can differentiate the various immunoglobulin isotypes. The detection of serum IgA antibodies in case of RTI is particularly useful, as it reflects the production of secretory IgA at the mucosal level, as a first defense barrier against the invading microorganisms.

Chorus offer for the serological diagnosis of viral respiratory infections by CFT and ELISA with single test ready to use devices:

KIT	REF.	FORMAT
Chorus ADENOVIRUS IgG	81196	36 tests
Chorus ADENOVIRUS IgA	81198	36 tests
Chorus ADENOVIRUS (CFT)	85210	12 tests
Chorus INFLUENZA A IgG	81190	36 tests
Chorus INFLUENZA A IgA	81192	36 tests
Chorus INFLUENZA A (CFT)	85222	12 tests
Chorus INFLUENZA B IgG	81193	36 tests
Chorus INFLUENZA B IgA	81195	36 tests
Chorus INFLUENZA B (CFT)	85224	12 tests
Chorus RESPIRATORY SYNCYTIAL VIRUS IgG	81036	36 tests
Chorus RESPIRATORY SYNCYTIAL VIRUS IgA	81037	36 tests
Chorus RESPIRATORY SYNCYTIAL VIRUS (CFT)	85236	12 tests



Coatron X Coagulation analyzer provided by TECO

Complete range Semi-Automated Coagulation with optical detection.

Coatron	Eco	Pro	Top		
General					
Dimensions	230 x 148 x 94 mm (l, b, h)				
Display	Colored touch display 4.3"				
Pre-warm temperature					
Pre-warm cuvettes (pcs.)	10	20	20		
Pre-warm reagent 24mm (pcs.)	1	1	1		
Pre-warm reagent 22mm (pcs.)	2	2	2		
Pre-warm reagent 11mm (pcs.)	2	2	2		
Reagent mixing position	-	1	1		
Power values	110-240Vac, 50-60Hz / 5Vdc, 3.3A				
Interfaces					
RS232 (2x)	Printer, Barcode reader				
USB (2x)	Network, Firmware update				
Bluetooth	TECO Cloud, App				
Optic / tests					
Optic channels	1	2	4		
Wavelength (nm)	620 (red)	405 (UV)	405 (UV)		
Global Coag. tests	PT, APTT, TT, FIB				
Specific Coag. tests	-	individual factors			
Chromogenic Coag. tests	-	AT, PC			
Latex based tests	D-Dimer				
Whole blood tests					
	PT-B				



I15 Blood Gas analyzer provided by EDAN

	i15	Standard Configuration including:
		Main unit
		800*480, 7" color LCD touch screen
		Built-in thermal printer
		Built-in Barcode scanner
		LAN, 10Mbps
		WLAN, IEEE 802.11b/g/n
		USB*4, Full speed 2.0
		Serial port, RS232

items	description	technical requirements
1	Method	Micro biosensor
2	Throughput	< 3min/test
3	Measured parameters	PH,PCO2,PO2, Na+,K+,Ca++,Cl-,Hct,Glu,Lac
4	Calculated parameters	cH+, HCO3-act, HCO3-std, BE(ecf), BE(B), BB(B), ctCO2, sO2(est), Ca++(7.4), AnGap, tHb(est), pO2(A-a), pO2(a/A), RI, pO2/FIO2, cH+(T), pH(T), pCO2(T), pO2(T), pO2(A-a)(T), pO2(a/A)(T), RI(T), pO2(T)/FIO2 , mOsm
5	Sample Volume	140ul
6	Sampling method	Auto Sampling
7	Media tutorials	Build-in multimedia tutorials
8	Display	7-inch color LCD display,800*480
9	Interface	4*USB 2.0 host,1*RS232,WLAN
10	Data Storage	10,000 patients data storage
11	Networking	build-in wireless
12	Input device	Touch screen and barcode scanner
13	Power Supply	100~240VAC,50/60 Hz
14	Battery	5000mAh rechargeable lithium-ion battery, 50 samples continuous testing
15	Dimensions (W*H*D)	238*153*315mm
16	Weight	3.65 KG
17	Operating Environment	10-31 °C; Humidity:25-80%;700-1066 KPa
	Consumables	
1	Cartridge	Disposable single-use cartridge with multi tests
2	Calibrator	independent pack
3	Calibration	auto calibration
4	Expendable ability	Test menu can be expanded in the future at the same platform
5	Safety	Waste reservoir
6	Storage condition	Room temperature for cartridge, refrigerator for calibrator
7	Shelf-life	1 year
8	Standby	standby without consumption
9	Maintenance	Zero maintenance

DIAMOND
Smart Lab Solutions

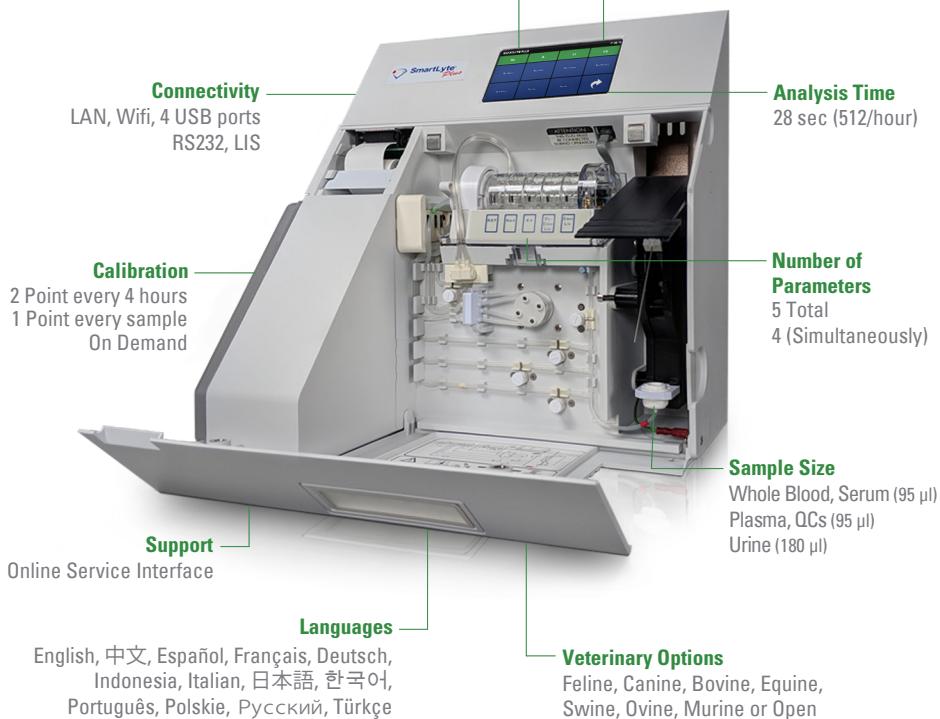


SmartLyte® *Plus*

The Most Advanced Electrolyte Analyzer

 smartlyteplus.com

SmartLyte® Plus



Parameter	Range	Reproducibility ¹	Resolution
Na ⁺	40-200 mmol/L	CV ≤ 1% (120-160 mmol/L)	0.1 mmol/L
K ⁺	1.7-15 mmol/L	CV ≤ 1.5% (2.5-6 mmol/L)	0.01 mmol/L
Cl ⁻	50-200 mmol/L	CV ≤ 1% (85-130 mmol/L)	0.1 mmol/L
Ca ⁺⁺	0.3-5.0 mmol/L	SD ≤ 0.02 mmol/L (0.8-1.5 mmol/L)	0.001 mmol/L
Li ⁺	0.2-5.5 mmol/L	SD ≤ 0.03 mmol/L (0.4-1.3 mmol/L)	0.001 mmol/L
Urine ² Na ⁺	3-300 mmol/L	CV ≤ 5% (100-250 mmol/L)	0.1 mmol/L
K ⁺	5-120 mmol/L ³	CV ≤ 5% (10-60 mmol/L)	0.01 mmol/L
Cl ⁻	15-300 mmol/L	CV ≤ 5% (100-250 mmol/L)	0.1 mmol/L

1-Typical Within Run (n=30) Blood, Serum, Plasma 2-Calcium and Lithium are not typically measured in urine samples

3-(60-120) requires additional dilution

Power

100-240V ~ 50/60 Hz (self adjusting)
1.6 A max, 50 Watts max

Size & Weight

13.2 x 12.4 x 12 in or 335 x 315 x 295 mm
14 lbs or 6 kgs

Ambient Conditions

Room temperature: 15-32°C/60-90°F
Humidity <85%

Not Commercially Available in the United States

PROTIA™ *Allergy-Q*

MULTIPLE ALLERGEN SIMULTANEOUS TEST



PROTIA <i>Allergy-Q</i>	Inhalant panel
PROTIA <i>Allergy-Q</i>	Food panel
PROTIA <i>Allergy-Q</i>	Atopy panel
PROTIA <i>Allergy-Q 64</i>	Inhalant panel
PROTIA <i>Allergy-Q 64</i>	Food panel
PROTIA <i>Allergy-Q 64</i>	S panel
PROTIA <i>Allergy-Q 10</i>	A panel
PROTIA <i>Allergy-Q 96</i>	M panel

PROTIA Allergy-Q by Proteome

Kits:

Product name	Catalogue No.	Intended use	No of Allergens
PROTIA™ Allergy-Q Atopy panel	PALQ0302	Allergy diagnosis (20 panels/kit)	48 Allergens
PROTIA™ Allergy-Q 64 Inhalant panel	PALX0102	Allergy diagnosis (20 panels/kit)	64 Allergens
PROTIA™ Allergy-Q 64 Food panel	PALX0202	Allergy diagnosis (20 panels/kit)	64 Allergens
PROTIA™ Allergy-Q 64S panel	PALX0302	Allergy diagnosis (20 panels/kit)	64 Allergens
PROTIA™ Allergy-Q 96M panel	PALT0102	Allergy diagnosis (20 panels/kit)	96 Allergens

Instruments :

Product name	Catalogue No.	Intended use	Allergens
Allergy diagnosis (Reader)	Q-Smart	(Reader)	 Q-Smart
Allergy diagnosis (Pre-Processor)	Q-Processor	(Pre-Processor)	 Q-Processor
Allergy diagnosis (Full Automation)	Q-STATION ELITE	(Full Automation)	 Q-STATION Elite

96M panel			Inhalant panel		
No.	Allergen	No.	Allergen	No.	Allergen
1	Total IgE	32	Sweet vernal / Orchard grass / Common reed / Bent grass	62	Tuna / Salmon
2	Housedust			63	Plaice / Anchovy Alaska Pollock
3	D. pteronyssinus	33	Bermuda grass	64	Lobster / Pacific squid
4	D. farinae	34	Timothy grass	65	Eel
5	Cat dander	35	Penicillium notatum	66	Blue mussel / Oyster / Clam / Scallop
6	Dog dander	36	Candida albicans		
7	Egg white	37	Hazel	67	Silkworm pupa
8	Milk	38	Olive	68	Pork
9	Cockroach	39	Maple leaf sycamore	69	Beef
10	Peanut	40	Willow	70	Chicken
11	Soy bean	41	Cotton wood	71	Lamb meat
12	Wheat	42	White ash	72	Cheese, Cheddar type
13	Alder	43	White pine	73	Barley
14	Birch	44	Japanese cedar	74	Rice
15	Oak	45	Acacia	75	Buckwheat
16	Common ragweed	46	Ox-eye daisy	76	Yeast, baker's
17	Japanese hop	47	Dandelion	77	Corn
18	Mugwort	48	Plantain	78	Carrot
19	Alternaria alternata	49	Russian thistle	79	Potato
20	Cladosporium herbarum	50	Goldenrod	80	Garlic / Onion
21	Aspergillus fumigatus	51	Common pigweed	81	Celery
22	Crab	52	Hevea latex	82	Cucumber
23	Shrimp	53	Bee venom	83	Tomato
24	Mackerel	54	Wasp venom	84	Citrus mix
25	Cultivated rye	55	Mouse / Rat	85	Strawberry
26	CCD	56	Rabbit	86	Kiwi / Mango / Banana
27	Peach	57	Guniea pig	87	Sweet chestnut
28	Apple	58	Wool, sheep	88	Walnut
29	Sesame	59	Hamster	89	Hazelnut
30	Acarus siro	60	Horse	90	Almond / Pine nut / Sunflower
31	Tyrophagus putrescentiae	61	Codfish	91	Cacao
Total 107 allergens			Total 64 allergens		

Food panel			64S panel				Atopy panel	
No.	Allergen	No.	Allergen	No.	Allergen	No.	Allergen	
1	Total IgE	32	Piace / Anchovy Alaska Pollock	1	Total IgE	31	Egg yolk	
2	House dust	33	Lobster / Pacific squid	2	Housedust	32	Milk	
3	D.pteronyssinus	34	Eel	3	D.pteronyssinus	33	Cheese	
4	D.farinae	35	Blue mussel / Oyster / Clam / Scallop	4	D.farinae	34	Peanut	
5	cat epithelium & dander			5	Cat epithelium & dander	35	Soybean	
6	Dog dander	36	Silkworm pupa	6	Dog dander	36	Wheat	
7	Egg white	37	Pork	7	Cockroach	37	Shrimp	
8	Milk	38	Beef	8	Cultivated rye	38	Lobster	
9	Cockroach	39	Chicken	9	Common ragweed	39	Codfish	
10	Peanut	40	Lamb meat	10	Timothy grass (g6)	40	Barley	
11	Soy bean	41	Cheese, Cheddar type	11	<i>Alternaria alternata(m6)</i>	41	Rice	
12	Wheat	42	Barley	12	<i>Aspergillus fumigatus</i>	42	Pea	
13	Alder	43	Rice	13	<i>Penicillium notatum</i>	43	Sesame	
14	Birch	44	Buckwheat	14	<i>Candida albicans</i>	44	Apple	
15	Oak	45	Yeast, baker's	15	Olive pollen	45	Mango / Banana	
16	Common ragweed	46	Corn	16	Bee venom	46	Peach	
17	Japanese hop	47	Carrot	17	Horse	47	Strawberry	
18	Mugwort	48	Potato	18	Mouse / Rat	48	Tomato	
19	<i>Alternaria alternata</i>	49	Garlic / Onion	19	Rabbit	49	Corn	
20	<i>Cladosporium herbarum</i>	50	Celery	20	Wool (sheep)	50	Carrot	
21	<i>Aspergillus fumigatus</i>	51	Cucumber	21	<i>Acarus siro</i>	51	Potato	
22	Crab	52	Tomato	22	<i>Tyrophagus putrescentiae</i>	52	Garlic / Onion	
23	Shrimp	53	Citrus mix	23	Acacia	53	Pumpkin	
24	Mackerel	54	Strawberry	24	White ash	54	Eggplant	
25	Cultivated rye	55	Kiwi / Mango / Banana	25	CCD	55	Cucumber	
26	CCD	56	Sweet Chestnut	26	Yeast baker's	56	Orange	
27	Peach	57	Walnut	27	Almond	57	Pork	
28	Apple	58	Hazel nut	28	Hazelnut	58	Beef	
29	Sesame	59	Almond/ Pine nut/ Sunflower	29	coconut	59	Chicken	
30	Codfish			30	Egg white	60	Lamb meat	
31	Tuna / Salmon	60	Cacao	Total 63 allergens				
Total 72 allergens			Total 48 allergens					



Getein 1100/1160 Products List JD 2023

Category	Test Item
Machine	Getein 1100 / 1160 Analyzer
Cardiac	Troponin I
	NT-proBNP
	CK-MB/cTnI/Myo
	D-Dimer
	Ck-MB
	CK-MB/ cTnI
infection	hs-CRP+CRP
	PCT
	SAA
	IL-6
kidney	CysC
	mAlb
	NGAL
	β 2-MG
Hormones	HCG+ β
	LH
	FSH
	PRL
	AMH
	Prog
Metabolic Marker	25-OH-VD
Diabetes	HbA1c
Thyroid	fT3
	fT4
	T3
	T4
	TSH
Cancer	tPSA
	fPSA
	AFP
	CEA
Infectious	HBsAg
	Anti-HCV
	Anti-HIV
	Anti-TP
	COVID-19 Antibody
	COVID-19 Antigen
Others	Total IgE
	H.Pylori
	Ferritin
Coming soon	Vit B12
	Free Testosterone

*Shelf life : 24 months since manufactured date. *Storage :room temperature 4-30°C *Delivery : One week form PO. *All products have CE and QC Certificate.	 Getein 1100	 Getein 1160
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Para 12® Extend CE Hematology Control



Para 12 Extend is a hematology control with three distinct populations of lymphocytes, mononuclears, and granulocytes.

Varying percentages are also offered in the low abnormal, normal, and high abnormal levels to test the accuracy and precision of the reported white cell populations.

Values are recovered for all parameters ensuring requirements are met for complete laboratory quality control.

Para 12 Extend is available in plastic cap-pierceable vials which allow for autosampling by an analyzer.

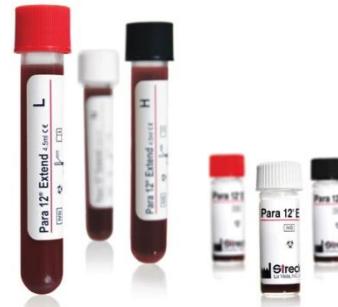
Streck offers STATS®, a free Interlaboratory Quality Control program for our customers.

Stability

- 190-day closed-vial stability
- 30-day open-vial stability

!! Offer:

Manufacturer	Instrument
Diatron	Abacus Junior
Horiba Medical	ABX Micros 60
Sysmex	KX 21
Beckman Coulter	AC-T™ Series
Siemens Healthcare Diagnostics	ADVIA® 60
Mindray	BC-3000 , 2800
Abbott Laboratories	CELL-DYN® 1400,1600,1700,1800
Nihon Kohden	Celltac a MEK-6400 Series 6500
HTI	MicroCC-20 Plus
ERMA	PCE-210
All other 3 Part Counters	Humen , Erba, Boule , ,,,



Item	Package	Price JD	Stability
CBC Control Normal	2.5 ml Vial N	30 JD	190 Days Stability
CBC Control Low	2.5 ml Vial L	30 JD	190 Days Stability
CBC Control High	2.5 ml Vial H	30 JD	190 Days Stability
CBC Control Low, Normal , High	2.5 ml 3 Vials L N H	80 JD	190 Days Stability

For Orders Call : 0799660613

No.1
World Wide

Free STATS
QC program

CAP
Certified

190 Days
Stability



Blood Collection Tube

Cell-Free DNA BCT® is a blood collection tube with a preservative stabilizing nucleated blood cells. This unique stabilization prevents the release of genomic DNA, allowing isolation of high-quality cell-free DNA. It also has been demonstrated to minimize the degradation of CTCs.

Multiple Applications

Recover high-quality cell-free DNA suitable for a wide range of downstream applications commonly used in clinical research studies, drug discovery and diagnostic assay development.

Consistent Results

Enhanced stability and recovery of cell-free plasma DNA minimizes variability associated with cell-free DNA sample preparation.

Improved Logistics

Cell-Free DNA BCT reduces the need for immediate plasma preparation and CTC processing due to unique stabilization properties. Cell-free DNA is stable for up to 14 days at 6 °C to 37 °C, while circulating tumor cells are stable for up to 7 days, at room temperature, allowing convenient sample collection, transport and storage.

Specifications

Blood Draw Volume	10.0 mL
cfDNA/gDNA Sample Stability	14 days at 6 °C to 37 °C
CTC Sample Stability	7 days at 15 °C to 30 °C

Ordering Information

Cell-Free DNA BCT®	Catalog #	Cell-Free DNA BCT® CE	Catalog#
6-Tube Pack (10.0 mL) glass	218961	6-Tube Pack (10.0 mL) glass	218996
100-Tube Pack (10.0 mL) glass	218962	100-Tube Pack (10.0 mL) glass	218997
1000-Tube Pack (10.0 mL) glass	218992	1000-Tube Pack (10.0 mL) glass	230244

FOR RESEARCH USE ONLY. NOT FOR USE IN
DIAGNOSTIC PROCEDURES IN THE U.S.

FOR EXPORT ONLY. NOT FOR SALE IN THE U.S.

H8 Hemoglobin Analyzer (HPLC)

TECHNICAL SPECS

Methodology	High - Performance Liquid Chromatography (HPLC)
Test Modes	Standard Mode, Variant Mode, Thalassaemia Mode
Test Range	3% - 18%
Precision	CV ≤ 1.5%
Test Speed	130 Secs / T for Variant Mode, 380 Secs / T for thalassaemia Mode
Sample Type	Venous Blood, Finger Peripheral Blood, Lyophilized Whole Blood Peripheral Blood, 500ul (150 Dilution Ratio)
Auto Sample Station	10 Positions
Photometer	415nm + 500nm Detector
Chromatography Column	Available Tests ≥ 800T
Filter	≥ 400T
Display	10.1 " TFT True Color LCD Touch Screen
Software	Linux Software with Self - Diagnosis to Monitor and Detect System Errors
Reagent Kit	Eluent A, Eluent B, Eluent C, Hemolysin, Calibrator, QC Material (Weight Sensor ± 1%)
Information Input	Scanner or Touch Keypad
Storage	4000 Sample Results
Connection	USB, LAN, LIS Compatible
Printer	Thermal Printer and External Laser Printer
Operation	Temperature 10 ~ 30 °C (50 ~ 86 °F)
Humidity	≤ 80%
Power	AC 100-240V 50/60HZ 120VA
Dimensions	600mm x 360mm x 540mm (23.6" H x 14.2 " W x 21.3" D)
Weight	49KG (108 lbs)
Barcode Scanner	QC Curve



H8 Hemoglobin Analyzer (HPLC)

Lifotronic Technology Co., Ltd.

Address: 4th Floor, Building 15, 1008 Songbai Road, Nanshan District, Shenzhen, 518055, China

Tel: 86-755-29060026 Fax: 86-755-29060036 Email: inter-sales@lifotronic.com

Web: en.lifotronic.com

en.lifotronic.com

H8 Hemoglobin Analyzer (HPLC)



The fully automated Lifotronic H8 Hemoglobin Analyzer offers the fast throughput of HbA1c results in 130 seconds, with Hb variant detection, providing the outstanding solution for quick and reliable diabetic monitoring. No sample preparation and very little hands-on time by the operator is required for the H8 Analyzer.

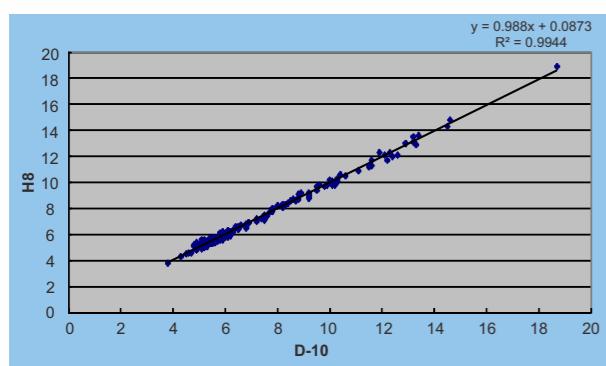


Gold Standard of Diabetes Diagnose

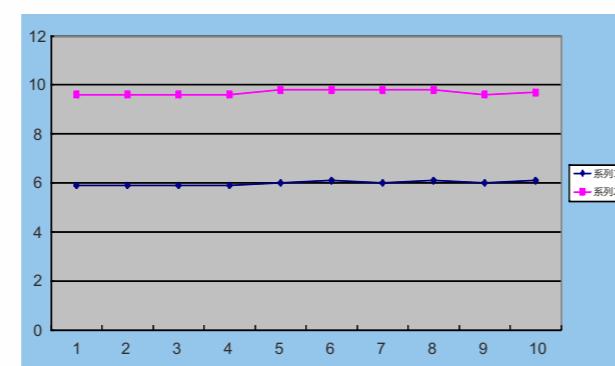
Glycosylated hemoglobin (HbA1c) is widely recognized as a Gold Standard to monitor diabetes, which can indicate the average plasma glucose concentration over 8 ~ 12 weeks.

HPLC Methodology

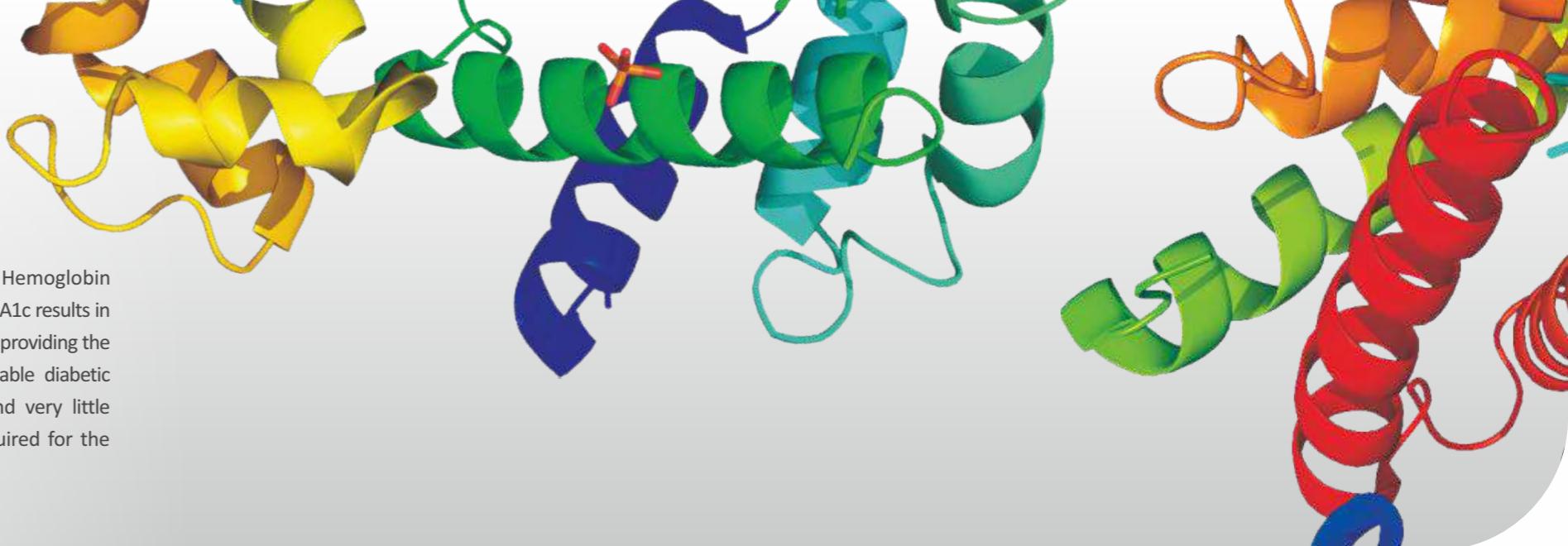
High-Pressure Liquid Chromatography (HPLC), to separate HbA1c, HbF, HbA2 directly with measuring the absorbance points continually to form chromatogram. Using normal distribution curve fitting auto-iterative algorithm to get precise HbA1c testing result, excluding interference of variant and unstable hemoglobin. Standard Analysis Mode will report HbA1a, HbA1b, HbF, La1c, HbA1c, HbAO peak areas and ratio. And the result also includes IFCC, NGSP and ADAG value for diverse client needs.



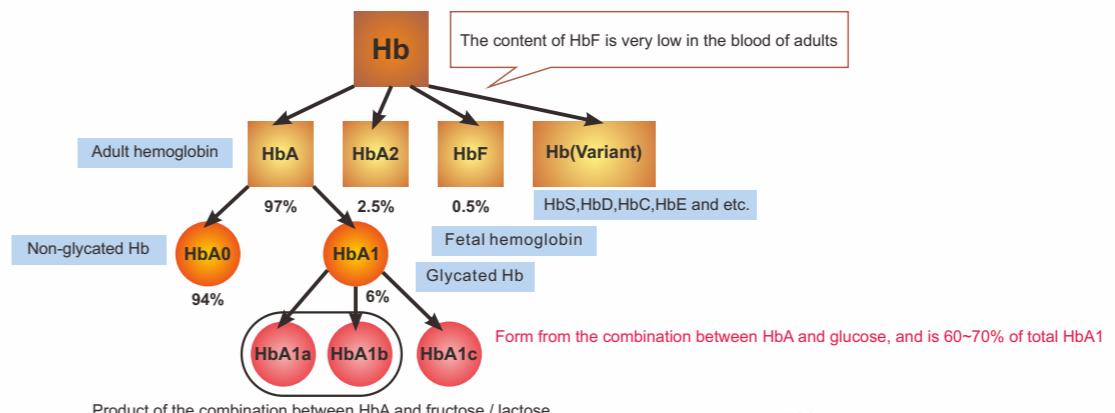
Correlation between H8 and D-10



Precision Study



The Elements of Hemoglobin



HPLC Technology – Gold Standard Methodology

- NGSP and IFCC Certified
- HbA1c Results in 130 Seconds

Fully Automated - To Minimize Operation Hassles

- Primary Tube Sampling with Cap Piercing
- Fully Automated Start - up, Maintenance and Shutdown
- Barcode Scanner for Sample Identification

Precise and Reliable – To Serve You Consistently

- HbA1c Inter Measuring CV \leqslant 1.5% & Intra Measuring CV's \leqslant 3% to Enable Exceptional Result Management
- Superior Quality Chromatographic Resolution to Eliminate Interferences

Dual Wavelength Detection – To Avoid Interference

- To Avoid the Reagent Peak Interference
- More Anti-interference Abilities, the Mutation Factor Interference to the Peak Can be Easily Counteracted
- To Eliminate the Nonspecific Absorption of Hemoglobin

Degasser – For Better Result Accuracy

- 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 Lifetime

Compact Size – To Minimize Space Requirements

- Small Footprint Reduces Bench Space Needed

