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Lifotronic
— Caring for Better Life —



In Vitro Diagnostics (IVD)

Product Catalog

Lifotronic
— Caring for Better Life —

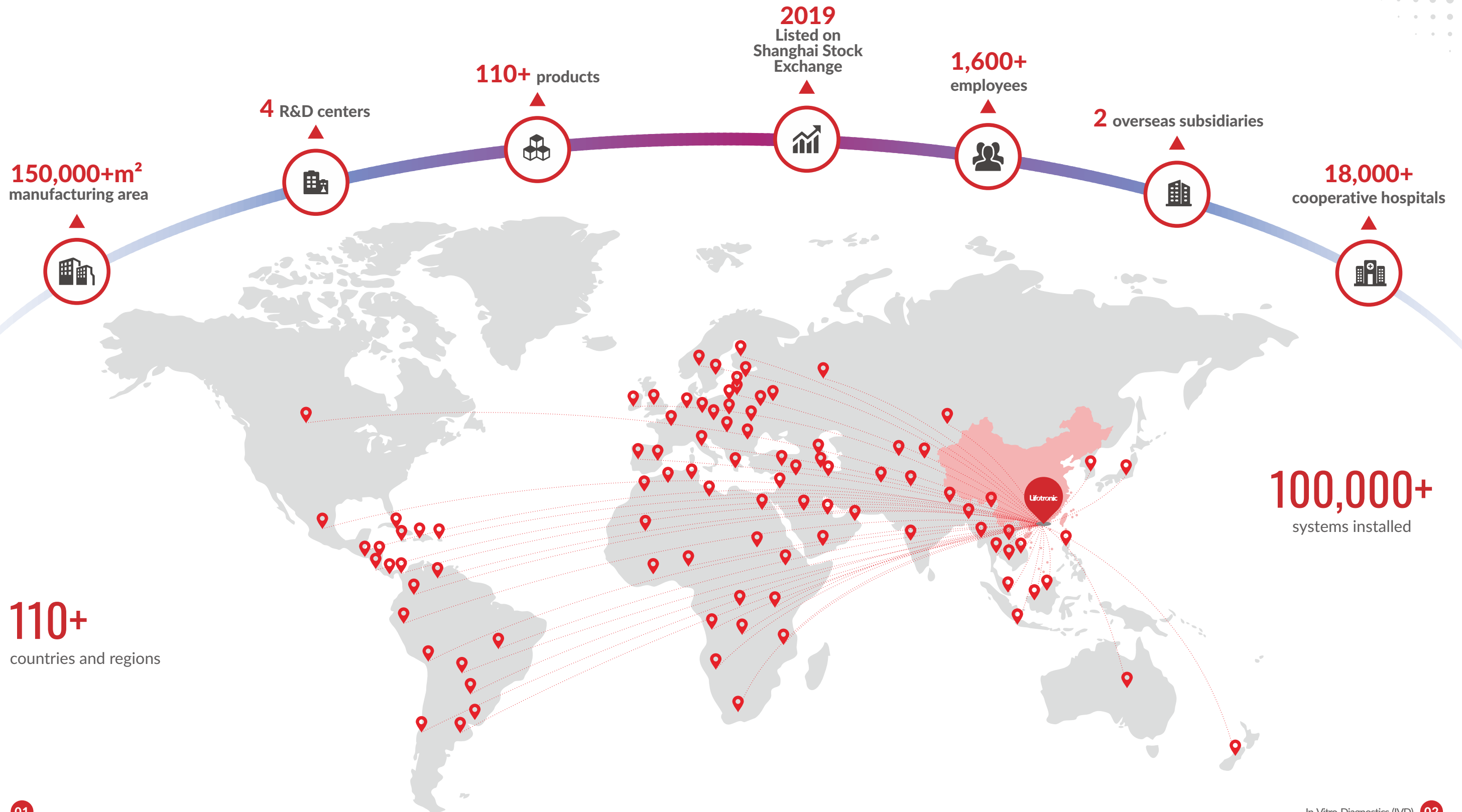
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Our mission

To be a world leading healthcare solution provider across life and time.



IVD Product Catalog

05-06 Comprehensive Solution

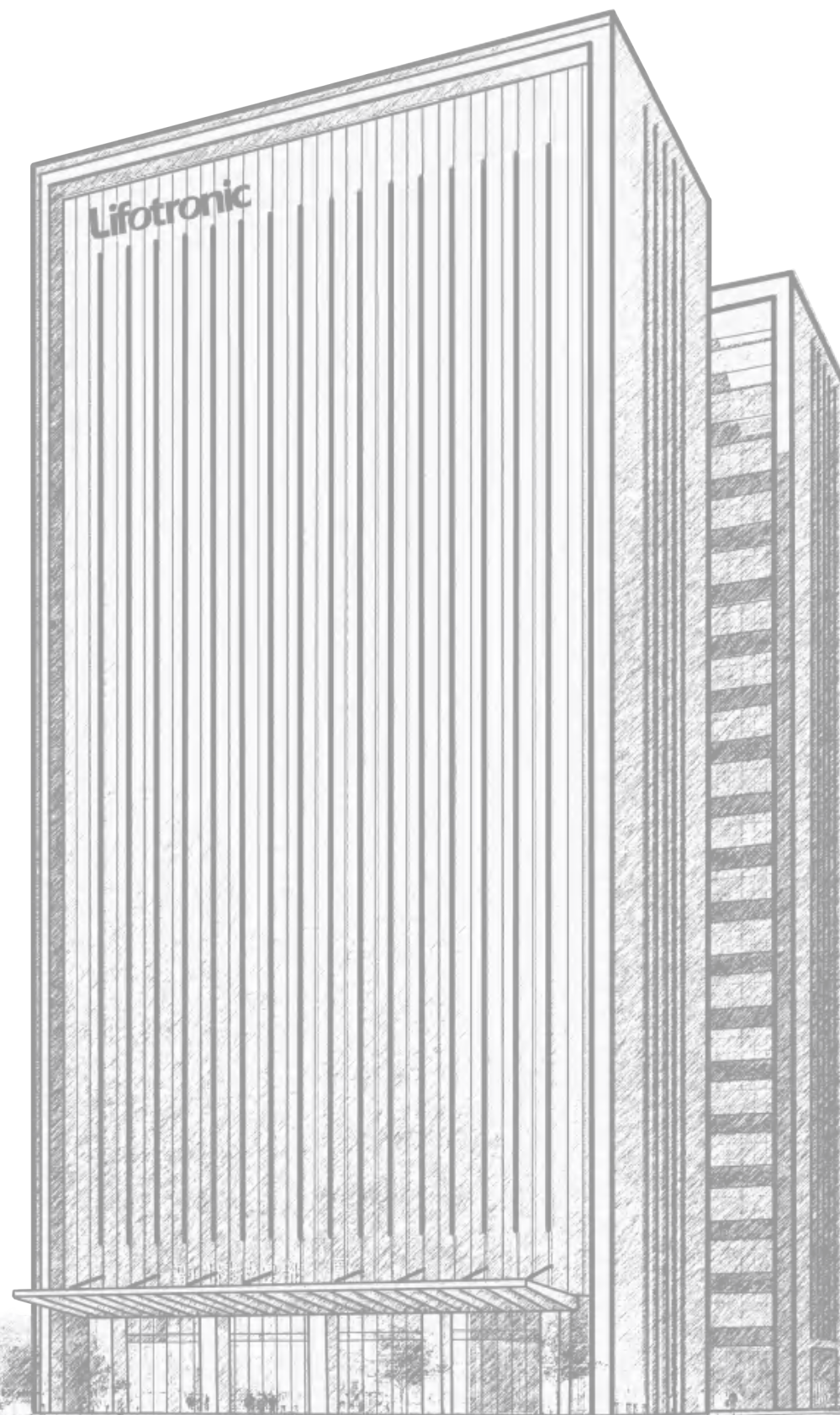
07-12 Immunoassay

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Founded in Shenzhen in 2008, aiming to be a global leader in the healthcare industry, Lifotronic has emerged as a premium brand with sales and service network at home and abroad.

As a professional developer, manufacturer and marketer for a wide range of medical devices both for diagnosis and therapy, Lifotronic hires more than 1,600 employees and operates through its headquarter in Shenzhen and four factories strategically located in China Mainland which in total have a working area of more than 150,000 m² and are capable of producing 100,000 devices annually.

So far, Lifotronic products have been exported to more than 110+ countries with over 15,000 hospital users and a global installed base of more than 100,000 systems.

Comprehensive Solution

Lifotronic empowers laboratories with a full spectrum of diagnostic analyzers—ECLIA, HPLC, CBC, and POCT—providing precise, integrated solutions that enhance efficiency and patient care.

Central Laboratory's Solution

Maximize productivity and efficiency

Tailor-made, Reduce Workload, Maximize Throughput



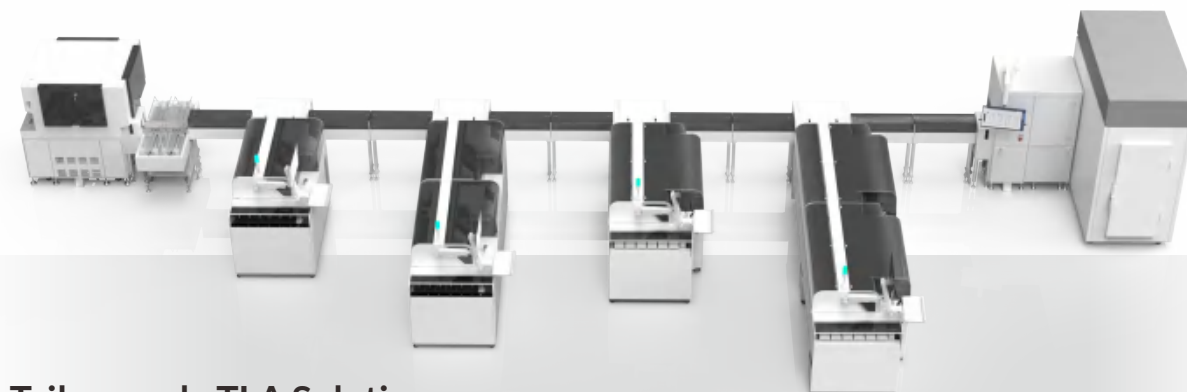
Serum Solution

Up to 300 T/h for Immunoassay + 2000T/h Biochemistry
Up to 1200 T/h for Immunoassay
Up to 8000T/h for Biochemistry



Whole Blood Solution

Up to 70T/h CBC+ 60T/h HbA1c Tests
Up to 70T/h CBC+ 10T/h Thalassemia Screening
Up to 124T/h HbA1c Tests



Tailor-made TLA Solution

Minimized Operator Intervention from Sample to Result
Combines STAT With Routine Testing Without Disruption

Satellite Laboratory's Solution

Empower Growth in Sample Volume with Superior Performance

Fully Automated, Elite Performance, Minimize Maintenance



HPLC



CBC



ECLIA

Small sample volume Lab's Solution

Expand Testing Capabilities in Limited Workspace

Affordable Solutions, Compact Design, Easy operation



CBC



HPLC



POCT



ECLIA

ECLIA

Fully automated analyzers based on the most advanced Electro-chemiluminescence Immunoassay (ECLIA). More than 100 parameters available, covering thyroid, fertility, tumor, cardiac, inflammation, bone metabolism marker, etc.



Minimum space occupation



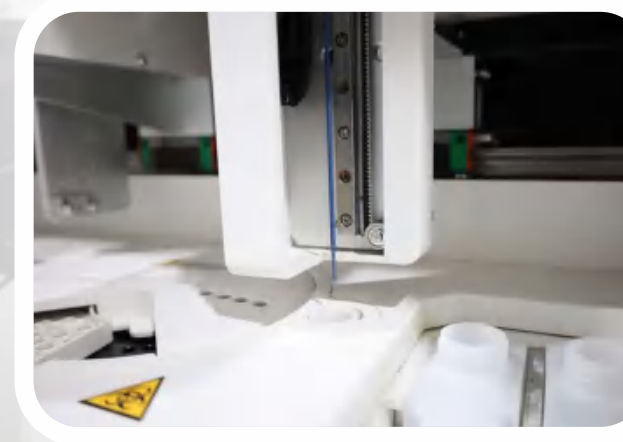
Outstanding performance



Rapid measurement



Easy operation



ECLIA



Technical Specification

Methodology	Electro-chemiluminescence Immunoassay (ECLIA)			
Model	eCL8000	eCL9000	eCL8600	eCL8800
Throughput	86T/h, Constant throughput	300 T/h, Constant throughput	200 T/h, Constant throughput	260 T/h, Constant throughput
Time to first result	9 mins			
Reagent module	10 positions; Onboard refrigeration	40 positions; Onboard refrigeration	30 positions; Onboard refrigeration	30 positions; Onboard refrigeration
Sample module	30 positions	150 positions + 5 STAT positions	80 positions	80 positions
Assay cup capacity	100	1575	210	210
Dimensions	650×620×650 mm	1665×1000×1282 mm	1250×775×750 mm	1250×775×750 mm

Optimal for small
to mid-sized laboratories



COMING SOON
NEW

eCL8600



COMING SOON
NEW

eCL8800



COMING SOON
NEW

eCL8800
Solution for
Mid-sized Labs



COMING SOON
NEW

eCL8600
Solution for Small to
Mid-sized Labs



eCL9000
Suitable for Mid-sized &
Centralized Labs



eCL8000
Solution for Small &
Emergency Labs

ECLIA

Integrated solution

Speed meets Excellence



Configurable with 2000 T/h biochemistry unit
Tailor-made solutions for diverse workload and testing requirements



Connectable with up to 4 eCL9000
Reach a throughput of 1200 T/h

TLA solution

Maximize your lab's performance

Analytical units can be flexibly combined to fulfill your individual needs



Assay Menu

Tumor marker

CEA
AFP
CA 19-9
CA 15-3
CA 125
HE4
TPSA
FPSA
SCC
NSE
CYFRA 21-1
proGRP
CA 72-4
S100
CA 50
CA 242
TNF-α

Cardiac

cTnI
CK-MB
MYO
NT-proBNP
H-FABP
Lp-PLA2
MPO
hs-cTnT STAT
CK-MB STAT
MYO STAT
NT-proBNP STAT
BNP STAT
BNP
H-FABP STAT
Lp-PLA2 STAT*
hs-cTnI STAT*

Fertility

FSH
LH
PRL
E2
TESTO
PROG
Total β-HCG
AMH
SHBG
Total β-HCG STAT
PROG STAT

COVID-19

SARS-CoV-2 IgG
SARS-CoV-2 IgM
SARS-CoV-2 Neutralizing Ab

Thyroid

TSH
T4
T3
FT4
FT3
TG
TBG
Anti-TPO
Anti-TG
Anti-TSHR

Inflammation

PCT
IL-6
hs-CRP
SAA
PCT STAT
IL-6 STAT
hs-CRP STAT

Infectious

HBsAg
Anti-HCV
HIV Ag+Ab
Syphilis
HBeAg
Anti-HBs
Anti-HBe
Anti-HBc

Anemia

Vitamin B12
Folate
Ferritin

TORCH

Toxo IgG
Toxo IgM
Rubella IgG*
Rubella IgM*
CMV IgG*
CMV IgM*
HSV-1/2 IgG*
HSV-1/2 IgM*
HSV-2 IgG*

Cytokines

IL-1 β
IL-2
IL-4
IL-5
IL-6
IL-8
IL-10
IL-17A

Hepatic fibrosis

CIV
CG
LN
PIIINP
HA

Allergy

IgE

Gastric marker

PG-I
PG-II
Gastrin-17

Hypertension

Cortisol
ACTH
Aldosterone
Renin

Autoimmune

Anti-CCP

Bone marker

25-OH Vitamin D
25-OH Vitamin D II
PTH
CT
N-MID

Coagulation

D-Dimer STAT
FDP

Growth hormone

hGH
IGFBP-3

Diabetes

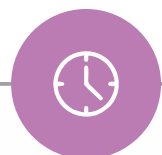
Insulin
C-peptide

* Coming soon

HPLC Hemoglobin Analyzer

Various models to serve different markets

Superior and More



Gold Standard



Easy-to-use



Cost effective

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H100 series
Daily Sample >30

Large

- Variant mode
- Thalassemia mode

NEW

H9

Daily Sample >20

Large

- Variant mode
- Thalassemia mode



H8

Daily Sample >10

MID

- Variant mode
- Thalassemia mode



GH-900Plus

Daily Sample >3

Small

- Variant mode



In Vitro Diagnostics (IVD)

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HPLC Hemoglobin Analyzer

Specification

Model	H100Plus	H100	H9	H8	GH-900plus
Variant Mode Detection time	58sec/T	96sec/T	130sec/T	130sec/T	130sec/T
β-Thalassaemia Mode Detection time	Under development	350sec/T	380sec/T	380sec/T	—
Test Range of HbA1c	3% ~ 20%	3% ~ 20%	3% ~ 18%	3% ~ 18%	3% ~ 18%
Sample Volume	5uL	5uL	5uL	5uL	10uL
Cap Piercing	Yes	Yes	Yes	Yes	No
Sample Loader	110	50/110	110	10	5
STAT Position	Yes	Yes	Yes	No	No
Display	10.1" TFT touch screen	10.1" TFT touch screen	8" TFT touch screen	10.1" TFT touch screen	10.1" TFT touch screen
Storage	20000	20000	4000	4000	10000
Dimension (mm)	722x532x729	722x532x729	500x520x580	360x540x600	450x361x540
Weight (Kg)	62	55/60.5	51.7	36.8	28.9



Certificates



HPLC Hemoglobin Analyzer



H100

Variant and thalassemia mode one-click switch

Variant mode Thalassemia mode

- Variant mode: 96s/T
- Thalassemia mode: 350s/T

H100Plus

Rapid HbA1c Results with Variants recognition

- Variant mode: 58s/T
- Thalassemia mode: Under development



360° Internal Barcode Scanner



Superior Automatic Sample Mixing



Automatic Identify Sample Types



Integrated solution

Great solution for LARGE Labs, clinics and hospitals



HPLC Integrated Solution

Integration of 2 units H100Plus

Variant mode: 120T/h

COMING SOON
NEW



CBC+HPLC Integrated Solution

Integration of AC630 and H100Plus

CBC 5-Diff: 70T/h
Variant mode: 60T/h

COMING SOON
NEW

Hematology Analyzer

Maximize your benefit

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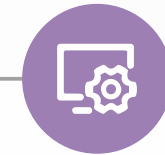
Parameters

3

Histograms

3D

Scattergram



Easy operation



Low running cost



High quality



AC 310

Auto 3-part
Hematology Analyzer



AC 610/Vet

Auto 5-part
Hematology Analyzer /Vet



AC 630

Auto 5-part
Hematology Analyzer

Hematology Analyzer

Technical Specification

Model	AC 310	AC 610/Vet	AC 630
Principles	- Impedance method - Cyanide free colorimetric method	- Tri-angle Laser scatter - Flow Cytometry method 3D Scattergram analysis - Impedance method - Cyanide free reagent for HGB test	- Tri-angle Laser scatter - Flow Cytometry method 3D Scattergram analysis - Impedance method - Cyanide free reagent for HGB test
Parameters	21 Reportable parameters: WBC, Lym#, Mid#, Gran#, Lym%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC 3 Histograms (WBC, RBC, PLT)	25 Reportable parameters: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PCT, PDW, P-LCR, P-LCC, NEU%, LYM%, MON%, EOS%, BAS%, NEU#, LYM#, MON#, EOS#, BAS# 1 3D Scattergram 3 2D Scattergram 3 Histograms (WBC/BASO, RBC, PLT) 4 Research parameter: ALY%, ALY#, LIC%, LIC#	25 Reportable parameters: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PCT, PDW, P-LCR, P-LCC, NEU%, LYM%, MON%, EOS%, BAS%, NEU#, LYM#, MON#, EOS#, BAS# 1 3D Scattergram 3 2D Scattergram 3 Histograms (WBC/BASO, RBC, PLT) 6 Research parameter: ALY%, ALY#, LIC%, LIC#, NRBC%, NRBC#
Test Mode	Venous whole blood, Capillary whole blood and Prediluted	- CBC mode, CBC+DIFF mode - Venous whole blood, Capillary whole blood and Prediluted	- CBC mode, CBC+DIFF mode - Venous whole blood, Capillary whole blood and Prediluted
Throughput	60 tests/hour	60 tests/hour	70 tests/hour
Sample Volume	≤10ul	CBC+DIFF mode: ≤20ul CBC mode: ≤10ul	≤20ul
Data Memory	Up to 100,000 results (including histograms and patient information)	Up to 100,000 results (including histogram, scattergram and patient information)	Up to 300,000 results (including histogram, scattergram and patient information)
Display	10.4 inch touch screen	14 inch touch screen	14 inch touch screen
Size/Weight	L * W * H = 411*315*416(mm) Weight: 26kg	L * W * H = 480*375*517(mm) Weight: 36kg	L * W * H = 680*580*895(mm) Weight: 45kg

Performance

Parameter	Linearity Range	Carry Over	CV
WBC	0-300x10 ⁹ /L	≤0.5%	≤2.0%
RBC	0-8x10 ¹² /L	≤0.5%	≤1.5%
HGB	0-250g/L	≤0.5%	≤1.5%
PLT	0-3000x10 ⁹ /L	≤1.0%	≤4.0%



POCT

Lifotronic FA-160 is based on immunofluorescence technology which is capable of quantifying analytes in samples to diagnose cardiac diseases, infectious diseases and many other diseases.

7 inch

Touch screen

≤2%

CV

≤3s

Test time



Technical Specification

Testing time	≤3s
Testing channel	Single-channel
Display	7-inch touch screen
Sample type	Whole blood, Serum, Plasma, Urine
Dimension(H*W*D)	200mm*346mm*144mm
Weight	3 KG

Assay Menu

Panel	Test Item	Panel	Test Item	Panel	Test Item	Panel	Test Item
Diabetes	HbA1C	Thyroid	TSH	Cardiac	Myo	Kidney Function	Cys-C
	Insulin		T3		cTnI		mALB
	C-Peptide		T4		CK-MB		Nab
Fertility	Cortisol	Inflamm-ation	FT3	Covid-19	D-Dimer	Covid-19	SARS-CoV-2 IgG/IgM
	β-HCG		FT4		NT-proBNP		IgG
	Testosterone		CRP		cTnI/CK-MB/Myo		IgM
	E2		hs-CRP	Cancer	H-FABP	Bone Metabolism	25-OH-VD
	FSH		PCT		CA125		Ferritin
	PROG		SAA/CRP		CA153	Gastric Function	PGI
	AMH		PCT/CRP		iFOB		PGII
	LH		IL-6		AFP		
	PRL		SAA		CEA		

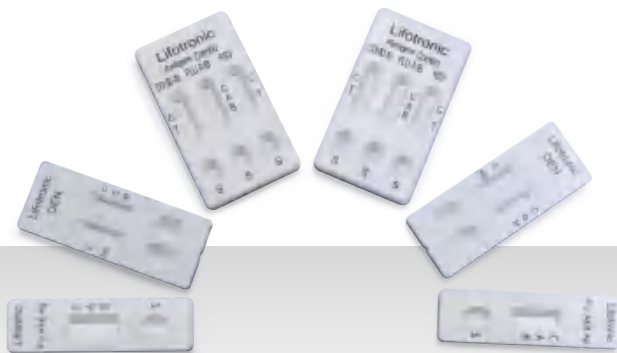
Rapid Test

Rapid test solution for wide range of applications, including detecting Covid-19, Dengue, Malaria.



Advantages

- Fast result in 10~15 mins
- Simple and easy operation
- Intuitive visual interpretation
- Room temperature storage



Assay Menu

Panel	Test Item	Panel	Test Item	Panel	Test Item	Panel	Test Item
Respiratory	InfluenzaH1N1 (2009)	Respiratory	SARS-CoV-2 Antigen (Professional use)	Gastrointestinal	H.Pylori	Infectious Diseases	Dengue NS1
	Influenza B		SARS-CoV-2 Antigen (Self-test)		Rota/Adeno		Dengue IgG/IgM
	Influenza A		SARS-CoV-2 & FluA/B & RSV		Rotavirus Ag		Dengue NS1/IgG/IgM
	Influenza A&B		SARS-CoV-2 & FluA/B	Hepatitis	M.Pneumoniae IgM		Malaria P.f/Pan
	RSV	Fertility	LH		HAV IgM	Cardiac Marker	D-dimer
	Strep A		HCG		HEV-IgM		Monkeypox IgG/IgM
	Adenovirus		FSH	Tumor Marker	iFOB	Monkeypox	Monkeypox Ag

Molecular Diagnostics

PureStar-32 Automated Nucleic Acid Purification System utilizes the advanced magnetic-particle technology to extract highly purified nucleic acid from a wide range of samples relevant for molecular diagnosis.



PureStar-32
Automated Nucleic
Acid Purification System

7 inch
LCD touch screen

≥98 %
Recovery rate of
magnetic beads

10 min
Extraction time

Technical Specification

Processing Volume	20~1000 µL
Sample Capacity	32 samples/run
Temperature Control	Room temperature to 110 °C
Consumable formats	96 deep-well plate/strip tubes
Demensions(H*W*D)	400*440*460 mm
Weight	18 KG



Extraction Kit

Technical Specification

Package Size	32 T/Kit, 48 T/Kit, 64 T/Kit, 96 T/Kit
Sample Volume	200 µL
Storage	Room temperature
Shelf-life	12 months