

Make Medical Tests More Accurate

Immunochematographic Analyzer LS100



Guangzhou Labsim Biotech Co., Ltd.

Add: Room 425-433, 621-630, Building H6, No. 39 Ruihe Road, Huangpu District, 510700 Guangzhou City, Guangdong Province, PEOPLE'S REPUBLIC OF CHINA

Tel: +86-20-28200186

Fax: +86-20-28200183

Email: info@labsim-ivd.com

Web: www.labsim-ivd.com



LS100

Immunochemical Analyzer

Instant testing at any time and at any place

Connected to the mobile, on-line operation through the APP (APP can be customized)

Bluetooth connection, data association



Application

Outdoor Rescue, Ambulance, Community Medical Center, Health Center, Small Medical Facility, Family Diagnosis, Drug Test, Environmental Test



Home Use



Community Hospital

- Portable Design
- Work with app via Bluetooth connection
- Check results online



Connect the analyzer to the LS100 APP on your phone via Bluetooth, then insert reagent card. Operate and check the test results on the APP.

Performance parameters

- Testing principle: Fluorescence immunoassay
- Testing channel: Single
- Testing speed: Time for one test < 12 s
- Sample type: 9 sample types to customized (e.g.: Serum, plasma, whole blood, urine, etc.)
- Testing items: Not more than 255 items
- Number of items per card: Multiple items per card are supported
- Operating system: Connected to the mobile APP, Android
- Data transmission: Transmitted through mobile APP, Micro USB
- Language interface: Chinese, English (customized)
- Printer: Connected to the bluetooth printer through the mobile APP
- Reagent card code: Bar code, QR code (customized)
- Dimension: 134 mm * 80 mm * 37 mm
- Net weight: 0.75 kg

TEST KIT



Immunofluorescence Reagent

Category	Test Item	Item No.	Sample	Reaction Time	Linearity Range	Reference
Infection	CRP	SA.02.00002	Serum / Plasma	3 min	0.5-200 mg/L	< 10 mg/L
	PCT	SA.02.00004	Serum / Plasma	15 min	0.1-100 ng/mL	< 0.5 ng/mL
	SAA	SA.02.00005	Serum / Plasma	15 min	2.0-100 mg/mL	< 10 mg/mL
	IL-6	SA.02.00006	Serum / Plasma	15 min	3.0-4000 pg/mL	< 7.5 pg/mL
	CRP / SAA	SA.02.00007	Serum / Plasma	15 min	CRP: 0.5-150 mg/L SAA: 0.5-300 mg/L	CRP < 8.28 mg/L SAA < 10 mg/L
	PCT / IL-6	SA.02.00008	Serum / Plasma	15 min	IL-6: 10-1000 pg/mL PCT: 0.1-40 ng/mL	IL-6 < 15 pg/mL PCT < 0.5 ng/mL
	HBP / PCT	SA.02.00053	plasma	15 min	HBP: 1-200 ng/mL PCT: 0.05-50 ng/mL	HBP < 15 ng/mL PCT < 0.5 ng/mL
	HBP	SA.02.00054	Plasma	15 min	5-300 ng/mL	< 15 ng/mL
Sex Hormone	PROG	SA.02.00009	Serum / Plasma	15 min	1.2-120 nmol/L	Follicular phase: 0.6-1.9 nmol/L Ovipoist period: 0.95-6.68 nmol/L Luteal phase: 6.8-72 nmol/L The first trimester of pregnancy: 12.4-190.8 nmol/L The first trimester of pregnancy: 48.97-190.8 nmol/L Menopause: 0-3.2 nmol/L Male: 0.31-2.67 nmol/L
	FSH	SA.02.00010	Serum / Plasma	15 min	2-100 IU/L	Follicular phase: 1.5-7.5 IU/L Ovipoist period: 2.8-12.5 IU/L Luteal phase: 1.8-5.0 IU/L After menopause: 15.0-76.0 IU/L Male: 1.25-19.62 IU/L
	LH	SA.02.00011	Serum / Plasma	15 min	2-100 IU/L	Follicular phase: 2-12.5 IU/L Ovipoist period: 13-106 IU/L Luteal phase: 0-10.5 IU/L After menopause: 7-65.2 IU/L Male: 1.15-8.65 IU/L
	β-HCG	SA.02.00012	Serum / Plasma	15 min	4-10000 mIU/mL	< 10m IU/mL
	PRL	SA.02.00013	Serum / Plasma	15 min	40-3000 μIU/mL	Premenopausal women: 74-566 μIU/mL Postmenopausal women: 68-528 μIU/mL Male: 63.5-350 μIU/mL
	Cor	SA.02.00014	Serum / Plasma	15 min	0.5 μg/dL-36 μg/dL	3.56-22.73 μg/dL
	AMH	SA.02.00015	Serum / Plasma	15 min	0.1-24 ng/mL	2-14 ng/mL
Thyroid Hormone	TSH	SA.02.00016	Serum / Plasma	15 min	0.1-100 μIU/mL	0.3-5.6 μIU/mL
	T3	SA.02.00017	Serum / Plasma	15+10 min	0.77-6.0 nmol/L	1.34-2.73 nmol/L
	T4	SA.02.00018	Serum / Plasma	15 min	15-300 nmol/L	78.51-157.01 nmol/L
	FT3	SA.02.00057	Serum / Plasma	10 min	1.6-46 pmol/L	3.1-6.8 pmol/L
	FT4	SA.02.00058	Serum / Plasma	10 min	3.2-77.2 pmol/L	11.5-22.7 pmol/L
Cardiac Marker	CK-MB	SA.02.00001	Serum / Plasma	15 min	CK-MB: 1-100 ng/mL	CK-MB < 5 ng/mL
	cTnl	SA.02.00019	Serum / Plasma	15 min	0.1-40 ng/mL	< 0.5 ng/mL
	Myo	SA.02.00020	Serum / Plasma	15 min	5-400 ng/mL	≤ 60 ng/mL
	NT-proBNP	SA.02.00021	Serum / Plasma	15 min	50-20000 pg/mL	≤ 300 pg/mL (< 75 years old) ≤ 450 pg/mL (≥ 75 years old)
	H-FABP	SA.02.00022	Serum / Plasma	15 min	3-100 ng/mL	≤ 7 ng/mL

Cardiac Marker	D-Dimer	SA.02.00023	Serum / Plasma	15 min	0.1-10 mg/L	< 0.5 mg/L
	cTnl / Myo / CK-MB (3 In 1)	SA.02.00024	Serum / Plasma	15 min	cTnl: 0.1-40 ng/mL CK-MB: 1-100 ng/mL Myo: 5-400 ng/mL	cTnl < 0.3 ng/mL CK-MB < 5 ng/mL Myo < 60 ng/mL
	cTnl / NT-proBNP	SA.02.00025	Serum / Plasma	15 min	cTnl: 0.1-40ng/mL NT-proBNP: 50-20000 pg/mL	cTnl < 0.5ng/mL NT-proBNP≤300pg/mL (< 75 years old) NT-proBNP≤450pg/mL (≥ 75 years old)
	cTnT	SA.02.00052	Serum / Plasma / Whole blood	15 min	30.0-10000.0pg/mL	< 100pg/mL
Kidney	NGAL	SA.02.00026	Serum / Plasma	10 min	50-1000 ng/mL	< 60 ng/mL
	mAlb	SA.02.00027	Urine	15 min	5-300 mg/L	0-20 mg/L
	CysC	SA.02.00028	Serum / Plasma	5 min	0.2-10 mg/L	0.5-1.1 mg/L
	β2-MG	SA.02.00029	Serum / Plasma	15 min	0.3-20 mg/L	1.0-2.7 mg/L
Diabetes	HbA1c	SA.02.00030	Whole Blood	15 min	2-14%	3.8 ~ 5.8%
Cancer	CEA	SA.02.00034	Serum / Plasma	15 min	2.5-1000 ng/mL	< 35 ng/mL
	AFP	SA.02.00035	Serum / Plasma	15 min	5-1000 ng/mL	< 25 ng/mL
	PSA	SA.02.00036	Serum / Plasma	15 min	2.0-100.0 ng/mL	< 4ng/mL
	TK1	SA.02.00055	Serum / Plasma	15 min	1-20 pmol/L	< 2 pmol/L
Infectious Disease	SARS-Cov-2	SA.02.00037	Naso / Oropharyngeal swab	15 min	/	/
	Dengue IgG / IgM	SA.02.00038	Serum / Plasma / Whole blood	15 min	/	/
	SARS-Cov-2 / FluA+B	SA.02.00039	Naso / Oropharyngeal swab	15 min	/	/
	SARS-CoV-2 IgG / IgM	SA.02.00040	Serum / Plasma	15 min	/	/
	HP-Ab	SA.02.00041	Serum / Plasma	15 min	/	/
	HP-Ag	SA.02.00042	Feces	15 min	/	/
	FOB	SA.02.00043	Feces	15 min	/	/
	p.f/pan	SA.02.00044	Whole blood	15 min	/	/
	RSV	SA.02.00045	Naso / Oropharyngeal swab	15 min	/	/
	Influenza A/B	SA.02.00046	Naso / Oropharyngeal swab	15 min	/	/
	Strep A	SA.02.00047	Naso / Oropharyngeal swab	15 min	/	/
	Adenovirus	SA.02.00048	Naso / Oropharyngeal swab	15 min	/	/
	Mycoplasma IgM	SA.02.00049	Serum / Plasma / Whole blood	15 min	/	/
	Influenza A/B+H1N1	SA.02.00050	Naso / Oropharyngeal swab	15 min	/	/
	Dengue NS1 Ag	SA.02.00051	Serum / Plasma / Whole blood	15 min	/	/
Gastric Function	PG I /II	SA.02.00033	Serum / Plasma	15 min	PG I : 70-200 ng/mL PGII: < 20 ng/mL	PG I : 5-200 ng/mL PGII: 2.5-100 ng/mL
	G17	SA.02.00056	Serum / Plasma	15 min	1-50 pmol/L	1-7 pmol/L
Others	25-OH-VD	SA.02.00031	Serum / Plasma	10 min	8-80 ng/mL	30-80 ng/mL
	IgE	SA.02.00032	Serum / Plasma	15 min	8-1000 IU/mL	Neonatal IgE was 0-1.5 iu/mL. IgE within 1 year: 0-15 IU/mL; 1-5 years IgE: 0-60 IU/mL; IgE for ages 6-9: 0-90 IU/mL; 10-15 years IgE: 0-200 IU/mL; Adult IgE: 0-100 IU/mL
	VB12	SA.02.00059	Serum / Plasma	15 min	150-1500 pg/mL	240-800 pg/mL