

Immuno Assay Analyzer

LM CLIA 1020



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LM CLIA 1020 Chemiluminescence Immunoassay Analyzer

A Compact and Innovative Chemiluminescence Solution

LM CLIA 1020 is an innovative chemiluminescence immunoassay analyzer, featuring high productivity and compactness, with the highly sensitive CLIA methodology, enables accuracy, convenience and provides the fastest testing speed of any device of its size.

Compact Design



- Bench top design
- Relatively lighter weight: 80 kg

High Efficiency



- Throughput: up to 200 T/H
- Time for the first result: 12 min

Reliable Accuracy



- Direct chemiluminescence methodology, less interference
- 3-step washing procedure, prevent contamination
- 3-step magnetic separation system

Highly Intelligent



- 12" LCD full touch screen, user-friendly operating interface
- Intelligent software system: real-time monitoring of reaction status, consumables and reagent information

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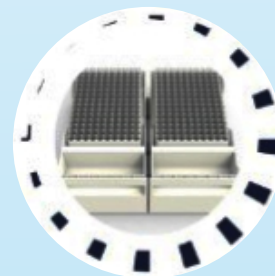
Immuno Assay Analyzer

Technical Specifications

- **Model:** LM CLIA 1020 Test
- **Test Principle:** Acridinium ester direct chemiluminescence
- **Throughput:** Up to 200 T/H
- **Time for the First Result:** 12 mins
- **Reagent Positions:** 24
- **Sample Positions:** 50
- **Sample Type:** Serum, plasma, urine, fingertip blood
- **Sampling Method:** Steel needle
- **STAT:** Support STAT mode
- **Sensing Functions:** Liquid level detection, residual monitoring of reagent and sample anti-collision
- **Reaction Cups:** 2 individual consumable trays with 140 reaction cups each
- **Reaction Temperature:** 37°C+0.5°C
- **Magnetic Separation & Washing:** 3 step magnetic separation and 3 step washing
- **Dimension:** 685 mm(L) 690 mm(W) 660 mm(H)
- **Weight:** 80 kg

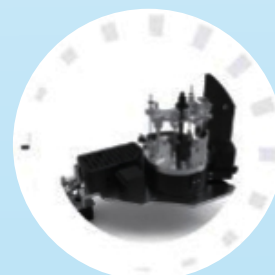
Dual-Design consumable unit

- 2 independent consumables trays, support replacement without pause
- 140 reaction cups per tray



Integrated washing & incubation unit

- Combine incubation, washing and testing in one small but fast test unit



Reagent unit

- 24 reagent positions, support online loading
- PE film puncture technology, preventing reagents from evaporation
- Equipped with RFID, automatic identification of reagent information



Sampling unit

- 50 sample positions
- Common sampling rack specifications, support continuous loading
- STAT mode, meet the requirements of emergency department



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TEST ITEMS

Items with *are coming soon.

Thyroid Markers

TSH	Anti-Tg
T3	Tg
T4	Anti-TSHR
FT3	TMAB
FT4	
Anti-TPO	

Hormones

FSH	UE3
LH	AMH
PRL	SHBG
Estradiol	free B-HCG
Progesterone	PAPP-A
Testosterone	DHEA-S
B-HCG	

Bone Metabolism

25-OH-VD	PTH
Osteocalcin	CT

Tumor Marker

AFP	CA15-3
CEA	CA19-9
tPSA	CA50
fPSA	CA242
NSE	CA72-4
CYFRA21-1	HE4
ProGRP	PIVKA-II
SCC	*AFP-L3%
Ca125	

Infectious Disease

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

Diabetes

C-Peptide	Insulin
IAA	

Cardiovascular Markers

hs-cTnI	CKMB
hs-cTnT	D-Dimer
NT-proBNP	Lp-PLA2
BNP	ST2 H-
Myo	FABP

Hypertension

Cortisol	ACTH
Renin	AT I
ALD	AT II

Inflammatory Markers

HBp	IL-6
CRP	PCT
SAA	

Thrombus

TAT	TM
PIC	FDP
t-PAIC	

Autoimmune

*dsDNA	*JO- 1IgG
IgG *SS-A	*AMA-M2
IgG *SS-B	
IgG	

Torch

*CMV IgM	*CMV IgG
*Rubella	*Rubella IgG
IgM *Toxo	*Toxo IgG
IgM *HSV-I	*HSV-I IgG
IgM *HSV-II	*HSV-II IgG
IgM	

Anemia

Ferritin
Folate
Vb12

Cytokine

IL-2R
IL-1B o
IL-10
TNF-α
IL-8

Liver Fibrosis

LN HA
PIIP N-P
CIV CG

Gastric Functions

PG I
PG II
G17

Brain Damage

S100

Others

NGAL
hGH
IgE
B2-MG
IGFBP-3

