

MAGICL 6000

Chemiluminescence Immunoassay Analyzer



A COMPACT AND INNOVATIVE
CHEMILUMINESCENCE SOLUTION

MAGICL 6000

Chemiluminescence
Immunoassay Analyzer

150 T/H

Test time for
the first sample **10** min

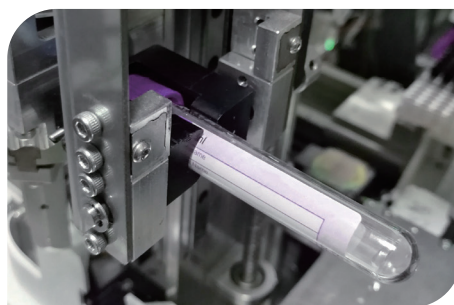


Reagent Unit Unit 1

- 14 reagent positions, supporting on-board loading
- Automatic recognition of reagents by QR code scanning
- 2-8°C refrigeration system, with one-month shelf life of reagents on board
- PE-film puncture technique, preventing reagents evaporation

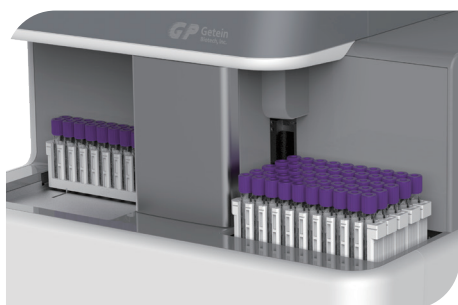
Sampling Unit Unit 2

- Automatic loading of sample tubes, mixing and uncapping
- Adding sample with disposable tips, avoiding cross-contamination
- Equipped with liquid level detection and pressure recognition to avoid empty suction



Sample Unit Unit 3

- 10 universal sample racks, supporting continuous loading
- Video identification: tube type, barcode, liquid level
- Automatic error reporting for abnormal conditions
- Emergency sample test in priority

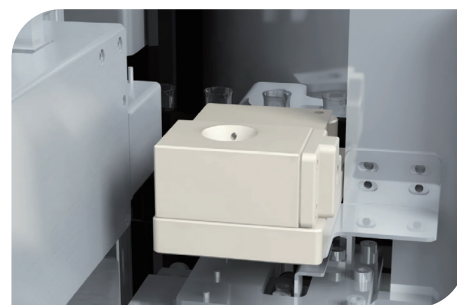


Technical Specifications

- **Test Principle:** Acridinium ester direct chemiluminescence
- **Sample Positions:** 50 (support on-board loading)
- **Sample Type:** Whole blood/Serum/Plasma/Urine/Peripheral Blood
- **Scenarios:** Laboratory/Emergency/ ICU/Outpatient
- **Test Mode:** Batch/Random/STAT
- **Data Transmission:** LIS/HIS connectivity
- **Sensing Functions:** Liquid level detection, bubble detection, probe clogging detection, temperature monitoring, consumables inventory monitoring

Unit 4 HCT Unit

- HCT testing calculates the serum volume, ensuring the accuracy of whole blood sample test.

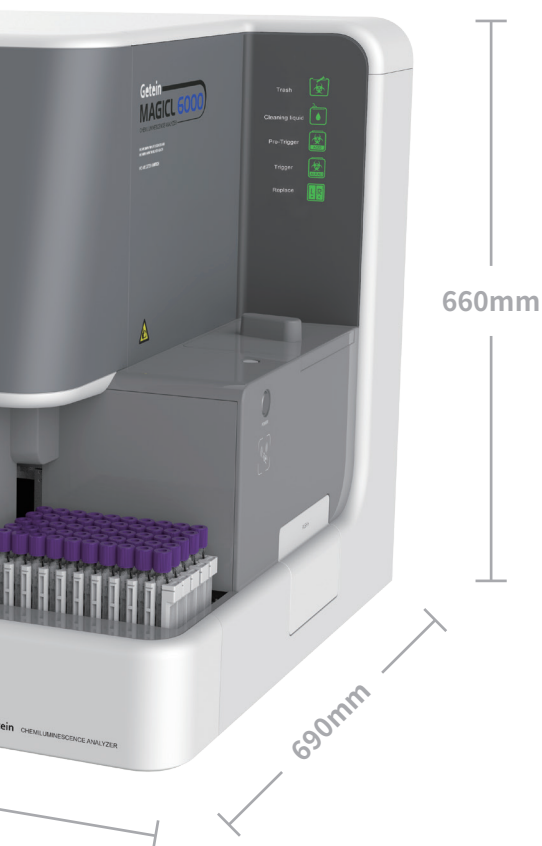
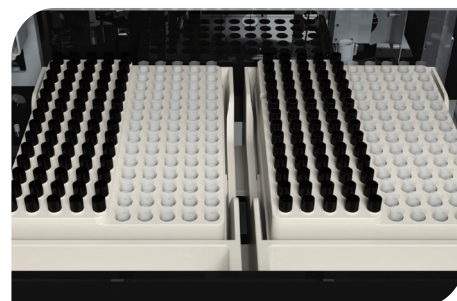


Unit 5 Test Unit

- Combining washing station, test station and incubation station in one unit
- Small size with high throughput
- Unique design of washing station, excluding whole blood factors influence

Unit 6 Consumable Unit

- Integrated dual consumable module
- Continuous consumable change without test pauses for easy operation



Test Items

Items with * are coming soon.

TEST ITEMS	MEASURING RANGE	CUT-OFF VALUE	SAMPLE TYPES	SAMPLE VOLUME	REACTION TIME	QUALIFICATION
Hormones						
FSH	0.2-200.0 mIU/mL	Refer to user manual	S/P	19 µL S/P	16 min	NMPA CE
LH	0.2-250 mIU/mL	Refer to user manual	S/P	49 µL S/P	16 min	NMPA CE
PRL	0.25-200 ng/mL	Refer to user manual	S/P	20 µL S/P	16 min	NMPA CE
Estradiol	20-4800 pg/mL	Refer to user manual	S/P	50 µL S/P	27 min	NMPA CE
Progesterone	0.1-40 ng/mL	Refer to user manual	S	25 µL S	27 min	NMPA CE
Testosterone	0.1-16 ng/mL	Male: 1.75-7.81 ng/mL Female: 0.75 ng/mL	S/P	50 µL S/P	27 min	NMPA CE
β-HCG	0.6-20000.0 mIU/mL	Refer to user manual	S/P	10 µL S/P	33 min	NMPA CE
UE3	0.07-12.00 ng/mL	Refer to user manual	S/P	50 µL S/P	21 min	NMPA CE
AMH	0.01-23.00 ng/mL	Refer to user manual	S/P	50 µL S/P	26 min	NMPA CE
SHBG	0.1-250 nmol/mL	Refer to user manual	S/P	10 µL S/P	18 min	NMPA CE
free β-HCG	0.1-190.0 mIU/mL	0.1 mIU/mL	S/P	10 µL S/P	21 min	NMPA CE
DHEA-S	3.00-1500.00 µg/dL	Refer to user manual	S/P	25 µL S/P	26 min	NMPA CE
PAPP-A	4.0-10000.0 mIU/L	Refer to user manual	S	10 µL S	18 min	NMPA CE
Thyroid Markers						
TSH	0.005-100 µIU/mL	0.27-4.2 µIU/mL	S/P	100 µL S/P	27 min	NMPA CE
T3	0.3-10 nmol/L	1.3-3.1 nmol/L	S/P	50 µL S/P	27 min	NMPA CE
T4	5.4-320.0 nmol/L	58-151 nmol/L	S/P	10 µL S/P	27 min	NMPA CE
FT3	0.4-50 pmol/L	3.1-6.8 pmol/L	S/P	50 µL S/P	27 min	NMPA CE
FT4	0.3-100 pmol/L	12-22 pmol/L	S/P	15 µL S/P	27 min	NMPA CE
Anti-TPO	5.0-600.0 IU/mL	34.0 IU/mL	S/P	30 µL S/P	27 min	NMPA CE
Anti-Tg	10.0-4000.0 IU/mL	115 IU/mL	S/P	25 µL S/P	27 min	NMPA CE
Tg	0.04-500.00 ng/mL	3.50-77.00 ng/mL	S/P	50 µL S/P	27 min	NMPA CE
Anti-TSHR	0.8-40.0 IU/L	1.75 IU/L	S/P	50 µL S/P	27 min	NMPA CE
TMAb	1.5-100.00 IU/mL	10 IU/mL	S/P/WB	50 µL S/P/WB	27 min	NMPA CE



Our tri-level technical support

Our tri-level technical support

After-sale engineers, specialized engineers from head-quarter, engineers from research & development department will not only solve the problem, but also extend device life and avoid potential medical risks.

Technical Support Center

Our highly skilled technical support experts are well-versed in the entire product line and are also astute in capturing emerging market demands around the globe.



Technical Support Center

TEST ITEMS	MEASURING RANGE	CUT-OFF VALUE	SAMPLE TYPES	SAMPLE VOLUME	REACTION TIME	QUALIFICATION
Infectious Disease						
HBsAg	0.05-200.00 IU/mL	0.05 IU/mL	S/P	150 µL S/P	52 min	NMPA
Anti-HBs	1.00-1000.00 mIU/mL	10.00 mIU/mL	S	100 µL S	26 min	NMPA
HBeAg	0.05-210 IU/mL	0.11 IU/mL	S/P	100 µL S/P	26 min	NMPA
Anti-HBe	0.15-5.40 IU/mL	0.18 IU/mL	S/P	150 µL S/P	26 min	NMPA
Anti-HBc	0.30-22.50 IU/mL	0.35 IU/mL	S/P	50 µL S/P	26 min	NMPA
Anti-HCV	/	1.00 S/CO	S/P	50 µL S/P	26 min	NMPA
Syphilis	/	1.00 S/CO	S/P	50 µL S/P	18 min	NMPA
HIV Ag/Ab Combo	/	1.00 S/CO	S/P	100 µL S/P	52 min	NMPA
Hypertension						
Cortisol	0.4-60 µg/dL	S: 6.7-22.6 µg/dL Urine: 58-403 µg/24h	S/P/Urine	50 µL S	28 min	NMPA CE
Renin	0.50-500.00 pg/mL	Standing position: 4-38 pg/mL Prone position: 4-24 pg/mL	P	50 µL P	21 min	NMPA CE
ALD	8-1000 pg/mL	Standing position: 40-310 pg/mL Prone position: 10-160 pg/mL	S/P/WB	100 µL S/P/WB	28 min	NMPA CE
ACTH	1-2000 pg/mL	7.2-63.3 pg/mL	P	90 µL P	23 min	NMPA CE
Torch						
HSV-I IgG	Refer to User Manual	1.00 S/CO	S/P	10 ul	34 min	
HSV-I IgM	Refer to User Manual	1.00 S/CO	S/P	10 ul	34 min	
HSV- II IgG	Refer to User Manual	1.00 S/CO	S/P	10 ul	34 min	
HSV-II IgM	Refer to User Manual	1.00 S/CO	S/P	10 ul	34 min	
Toxo IgG	Refer to User Manual	1.00 S/CO	S/P	10 ul	34 min	
Toxo IgM	Refer to User Manual	1.00 S/CO	S/P	10 ul	34 min	
Rubella IgG	Refer to User Manual	1.00 S/CO	S/P	10 ul	34 min	
Rubella IgM	Refer to User Manual	1.00 S/CO	S/P	10 ul	34 min	
CMV-IgG	Refer to User Manual	1.00 S/CO	S/P	10 ul	34 min	
CMV-IgM	Refer to User Manual	1.00 S/CO	S/P	10 ul	34 min	



Training Center

We provide our distributors with standardized training sessions to facilitate high-quality service and solutions to customers. Each training session is tailored to customer requests and is extraordinarily informative.

Customer Care Center

With our multilingual call centre network, we can respond promptly to service inquiries from worldwide. Please call our hotline numbers for a direct line to our Customer Support Specialists.



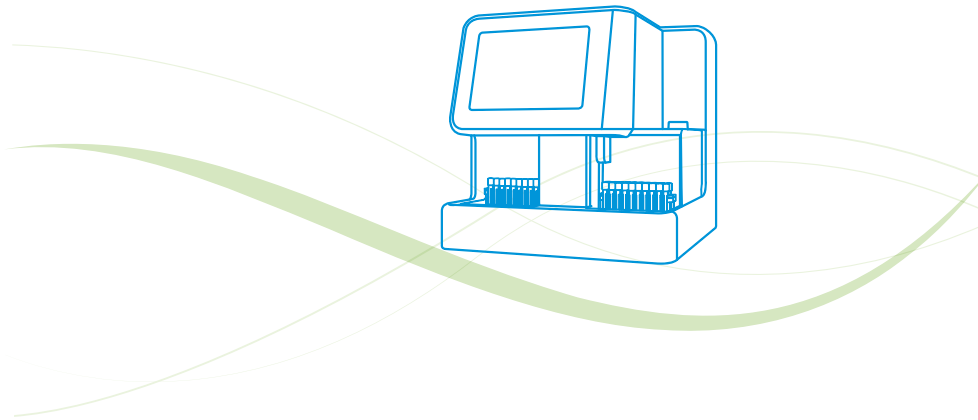
Customer
Care Center

Test Items

TEST ITEMS	MEASURING RANGE	CUT-OFF VALUE	SAMPLE TYPES	SAMPLE VOLUME	REACTION TIME	QUALIFICATION
Cardiovascular Markers						
hs-cTnI	0.001-80.000 ng/mL	0.026 ng/mL	S/P/WB	75 µL S; 50 µL P/WB	12.8 min S/P; 14.8 min WB	NMPA CE
hs-cTnT	3.00-10000.00 pg/mL	14.02 pg/mL	S/P/WB	50 µL S/P/WB	12.8 min S/P; 14.8 min WB	NMPA CE
NT-proBNP	20.00-35000.00 pg/mL	Age<75: 0-125.00 pg/mL Age≥75: 0-450.00 pg/mL	S/P/WB	80 µL S/P; 50 µL WB	12.8 min S/P; 14.8 min WB	NMPA CE
BNP	7.00-5000.00 pg/mL	0-100.00 pg/mL	P/WB	99 µL P; 50 µL WB	12.8 min S/P; 14.8 min WB	NMPA CE
Myo	2.0-4000.0 ng/mL	Female: 14.3-65.8 ng/mL; Male: 17.4-105.7 ng/mL	S/P/WB	25 µL S/P; 50 µL WB	12.8 min S/P; 13.2 min WB	NMPA CE
CK-MB	0.30-300.00 ng/mL	Female: 3.61-4.88 ng/mL; Male: 4.87-6.22 ng/mL	S/P/WB	70 µL S/P; 50 µL WB	12.8 min S/P; 13.2 min WB	NMPA CE
D-Dimer	0.10-100 µg FEU/mL	0.5 µg FEU/mL	P/WB	10 µL P; 35 µL WB	12.8 min P; 14.8 min WB	NMPA CE
Lp-PLA2	5.0-1000.0 ng/mL	200.0 ng/mL	S/P/WB	10 µL S/P/WB	16 min	NMPA CE
ST2	3.00-200.00 ng/mL	35.00 ng/mL	S/P/WB	20 µL S/P; 30 µL WB	18 min	NMPA CE
H-FABP	1.00-120.00 ng/mL	3.49 ng/mL	S/P/WB	10 µL S/P; 20 µL WB	18 min	NMPA CE
Inflammatory Markers						
HBP	4.00-300.00 ng/mL	11.4 ng/mL	P	20 µL P/WB	18 min	NMPA CE
CRP 	0.30-350 mg/L	5 mg/L	S/P/WB/ Peripheral Blood	10 µL S/P/WB/ Peripheral Blood	10.5 min S/P; 11 min WB/Peripheral Blood	NMPA CE
SAA 	5.0-200.0 mg/L	10.0 mg/L	S/P/WB/ Peripheral Blood	10 µL S/P/WB/ Peripheral Blood	10.5 min S/P; 11 min WB/Peripheral Blood	NMPA CE
IL-6	1.50-5000.00 pg/mL	0-7.01 pg/mL	S/P/WB/ Peripheral Blood	50 µL S/P/WB; 20 µL Peripheral Blood	12.8 min S/P; 18 min WB/Peripheral Blood	NMPA CE
PCT	0.02-100 ng/mL	0.046 ng/mL	S/P/WB/ Peripheral Blood	10 µL S/P; 30 µL WB; 20µL Peripheral Blood	12.8 min S/P; 14.8 min WB/Peripheral Blood	NMPA CE
Tumor Markers						
AFP	0.61-1210.00 ng/mL	7.00 ng/mL	S/P	10 µL S/P	18 min	NMPA CE
CEA	0.20-1000.00 ng/mL	4.70 ng/mL	S/P	10 µL S/P	18 min	NMPA CE
tPSA	0.1-100.00 ng/mL	4.00 ng/mL	S/P	20 µL S/P	18 min	NMPA
fPSA	0.02-30.00 ng/mL	1.12 ng/mL	S/P	20 µL S/P	18 min	NMPA
NSE	0.05-370.00 ng/mL	20.86 ng/mL	S	20 µL S	18 min	NMPA CE
CYFRA21-1	0.1-500 ng/mL	0-3.7 ng/mL	S/P	19 µL S/P	18 min	NMPA CE
ProGRP	2.00-5000.00 pg/mL	69.7 pg/mL	S/P/WB	50 µL S/P/WB	18 min	NMPA CE
SCC	0.20-70.00 ng/mL	0-2.50 ng/mL	S/P/WB	14 µL S/P/WB	18 min	NMPA CE
CA125	1-5000 U/mL	35 U/mL	S/P	19 µL S/P	18 min	NMPA CE
CA15-3	1-300 U/mL	35 U/mL	S/P	11 µL S/P	18 min	NMPA CE
CA19-9	1-1000 U/mL	30.79 U/mL	S/P	11 µL S/P	18 min	NMPA CE
CA50	1.00-250.00 U/mL	24.16 U/mL	S/P	19 µL S/P	18 min	NMPA CE
CA242	1.00-200.00 U/mL	20.46 U/mL	S/P	14 µL S/P	18 min	NMPA CE
CA72-4	0.20-300.00 U/mL	8.94 U/mL	S/P	29 µL S/P	33 min	NMPA CE
HE4	15-1500 pmol/L	140 pmol/L	S/P	15 µL S/P	21 min	NMPA CE
PIVKA-II	7.00-30000.00 mAU/mL	11.18-31.88 mAU/mL	S/P	50 µL S/P	23 min	CE
Gastric Function						
PGI	1.00-200.00 ng/mL	PGI≥70.00 ng/mL PGI/PGII≥3.0	S/P	19 µL S/P	18 min	NMPA CE
PGII	1.00-100.00 ng/mL	PGI≥70.00 ng/mL PGI/PGII≥3.0	S/P	19 µL S/P	18 min	NMPA CE
G17	1.00-500.00 pmol/L	1.70-7.60 pmol/L	S/P	49 µL S/P	23 min	NMPA CE

Items with * are coming soon.

TEST ITEMS	MEASURING RANGE		CUT-OFF VALUE	SAMPLE TYPES				
Diabetes								
HbA1c	3.80-18.50%		4.20-6.07%	WB/ Peripheral Blood	10 µL WB/ Peripheral Blood	17 min	NMPA	CE
C-Peptide	0.10-40 ng/mL	S/P: 1.10-4.40 ng/mL; Urine: 17.20-181.00 µg/24h		S/P/Urine	99 µL S/P/Urine	21 min	NMPA	CE
Insulin	0.15-300 µIU/mL		1.9-23 µIU/mL	S/P	50 µL S/P	21 min	NMPA	CE
IAA	2-175 IU/mL		20 IU/mL	S	50 µL S	27 min	NMPA	CE
Bone Metabolism								
25-OH-VD	3.00-70.00 ng/mL		5.30-47.00 ng/mL	S/P	15 µL S/P	27 min	NMPA	CE
Osteocalcin	1.50-300.00 ng/mL		Refer to user manual	S/P	15 µL S/P	27 min	NMPA	CE
PTH	2.5-1900 pg/mL		12-88 pg/mL	S/P	10 µL S/P	27 min	NMPA	CE
CT	0.5-2000.0 pg/mL	Male: 9.52 pg/mL; Female: 6.40 pg/mL		S/P	30µL S/P	26 min	NMPA	CE
Liver Fibrosis								
LN	10.00-1000.00 ng/mL		50.00 ng/mL	S/P/WB	50 µL S/P/WB	23 min	NMPA	CE
HA	10-2000 ng/mL		100 ng/mL	S/P/WB	50 µL S/P/WB	26 min	NMPA	CE
PIIIP N-P	0.5-2000.00 ng/mL		30.00 ng/mL	S/P	50 µL S/P	28 min	NMPA	CE
CIV	10.00-2000.00 ng/mL		30.00 ng/mL	S/P/WB	50 µL S/P/WB	23 min	NMPA	CE
CG	0.125-40.00 µg/mL		2.70 µg/mL	S/P/WB	50 µL S/P/WB	28 min	NMPA	CE
Thrombus								
FDP	2.5-80 µg/mL		5.0 µg/mL	P/WB	10 µL P; 20 µL WB	11 min	NMPA	CE
TAT	0.40-120.00 ng/mL		4.0 ng/mL	P/WB	50 µL P/WB	16 min	NMPA	CE
TM	1.0-200.0 TU/mL		3.8-13.3 TU/mL	P/WB	10 µL P/WB	11 min	NMPA	CE
PIC	0.05-40.00 µg/mL		0.8 µg/mL	P/WB	10 µL P/WB	11 min	NMPA	CE
t-PAIC	1.0-100.0 ng/mL	Male: 17.0 ng/mL; Female: 10.5 ng/mL		P/WB	10 µL P/WB	11 min	NMPA	CE
Anemia								
Ferritin	0.50-2000.00 ng/mL	Male: 30-400 ng/mL; Female: 130-150 ng/mL		S/P	10 µL S/P	23 min	NMPA	CE
Vitamin B12	100.00-2000.00 pg/mL		197.00-771.00 pg/mL	S/P	25 µL S/P	40 min	NMPA	CE
Folate	S/P: 1.0-20 ng/mL RBC: 75-1050 ng/mL	S/P: 4.20-19.02 ng/mL RBC: 107.2-950 ng/mL		S/P/RBC	50 µL S/P/RBC	40 min	NMPA	CE
Cytokine								
IL-2R	5.00-7500.00 U/mL		223-710 U/mL	S	10 µL S	16 min	NMPA	CE
IL-1β	1.50-1000.00 pg/mL		5 pg/mL	S	100 µL S	16 min	NMPA	CE
IL-10	1.00-1000.00 pg/mL		9.1 pg/mL	S	100 µL S	16 min	NMPA	CE
TNF-α	1.70-1000.00 pg/mL		8.1 pg/mL	S	100 µL S	16 min	NMPA	CE
IL-8	2.00-7500.00 pg/mL		5 pg/mL	S	50 µL S	16 min	NMPA	CE
Others								
NGAL	50-5000.0 ng/mL	S/P: 200 ng/mL; Urine: 100 ng/mL		S/P/Urine	10 µL S/P/Urine	16 min	NMPA	CE
hGH	0.02-35 ng/mL	Male: 0.971 ng/mL; Female: 3.608 ng/mL		S/P	19 µL S/P	21 min	NMPA	CE
IgE	0.15-2000 IU/mL		Refer to user manual	S/P	11 µL S/P	21 min	NMPA	CE
IGFBP-3	0.15-16.00 µg/mL		Refer to user manual	S	30 µL S	12.8 min	NMPA	CE
β ₂ -MG	0.05-10 µg/mL	S: 0.9-2.7 µg/mL; Urine: 0.195 µg/mL		S/Urine	10 µL S/Urine	16 min	NMPA	CE
Brain Damage								
S100	0.005-39 µg/L	0.105 µg/L		S	99 µL S	23 min	NMPA	CE
Coming Soon								
Tumor Markers		Hypertension		Preeclampsia		Autoimmune		
AFP-L3%*		Angiotensin I*, Angiotensin II*		sFlt-1* PLGF*		dsDNA IgG*, SS-A IgG*, SS-B IgG*, JO-1 IgG*, AMA-M2*		



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FSC CE

NMPA



NGSP

IFCC

