

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 **12** min

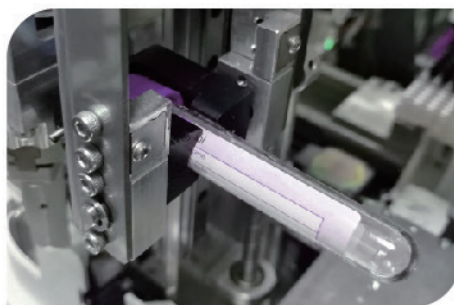


Reagent Unit Unit 1

- 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

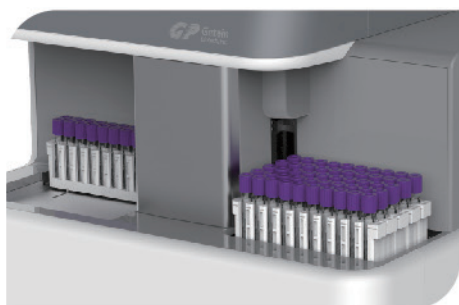
Sampling Unit Unit 2

- 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

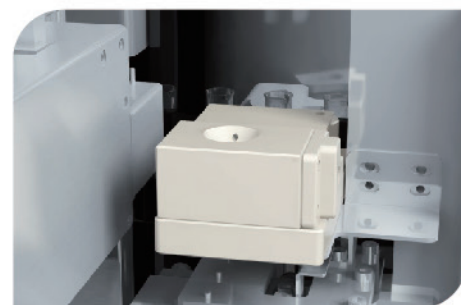


Technical Specifications

- **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

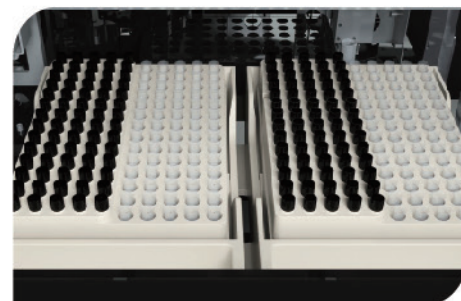
Unit 4 HCT Unit

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



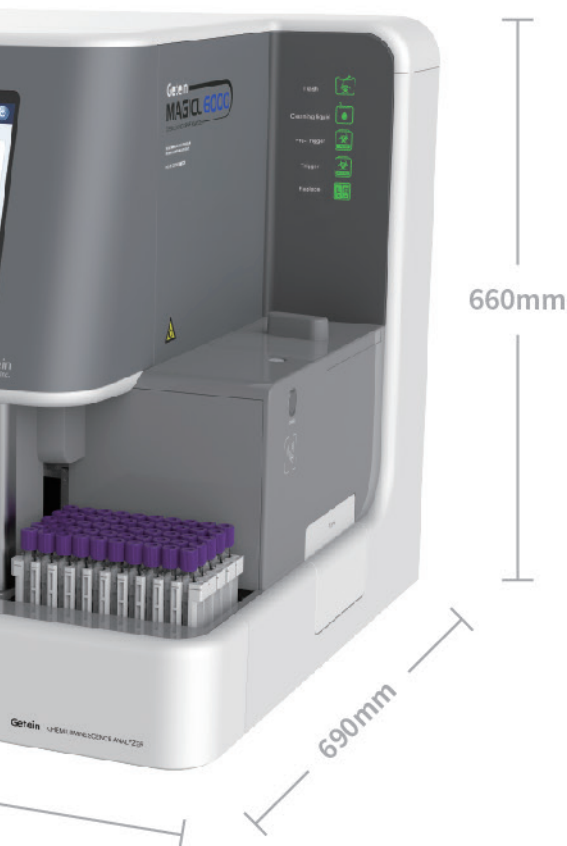
Unit 5 Test Unit

- 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



Compound Quality Control Items

FIELDS	COMBO	ITEMS
Cardiac & Inflammation	Combo 1 (7 items)	MYO/CK-MB/cTnI/NT-proBNP/D-Dimer/HCY/CRP
	Combo 2 (7 items)	MYO/CK-MB/cTnI/cTnT/NT-proBNP/BNP/D-Dimer
	Combo 3 (4 items)	CRP/PCT/IL-6/SAA
Hormones	Combo 1 (8 items)	FSH/PRL/LH/ β -HCG/Testosterone/Progesterone/Estradiol/UE3
	Combo 2 (4 items)	AMH/SHBG/hGH/DHEA-S
Thyroid Function	Combo 1 (5 items)	FT3/FT4/T3/T4/TSH
	Combo 2 (11 items)	FT3/FT4/T3/T4/TSH/Anti-Tg/Anti-TPO/Tg/Anti-TSHR/rT3/TMAb
Tumor Markers	Combo 1 (12 items)	AFP/CEA/CA125/CA19-9/CA15-3/CA724/CYFRA21-1/tPSA/fPSA/SCC/NSE/ProGRP
	Combo 2 (4 items)	CA242/CA50/HE4/S100
	Combo 3 (3 items)	PGI/PGII/G17
Infection Diseases	Combo 1 (6 items)	HBsAg quant/HBeAg quant/HBeAg/Anti-HCV/Syphilis/HIV Ag/Ab Combo
	Combo 2 (6 items)	Anti-HBs quant/Anti-HBe quant/Anti-HBe/Anti-HBc quant/Anti-HBc/HIV Ag/Ab Combo

Individual Quality Control Items

FIELDS	ITEMS
Bone Metabolism	25-OH-VD Osteocalcin PTH Calcitonin
Anemia	Ferritin Folate Vitamin B12
Cardiovascular Markers	CK-MB cTnI Myo NT-proBNP BNP cTnT Lp-PLA2 D-Dimer H-FABP ST2
Diabetes	C-Peptide IAA Insulin HbA1c
Hormones	LH UE3 β -HCG Estradiol FSH Testosterone PRL Progesterone AMH SHBG Free- β -HCG PAPP-A DHEA-S hGH
Hypertension	Cortisol Renin ALD Angiotensin I Angiotensin II ACTH
Infectious Disease	HBsAg Anti-HBs HBeAg Anti-HBe Anti-HBc Anti-HCV Syphilis Anti-HIV
Inflammatory Markers	PCT IL-6 SAA CRP HBP
Cytokine	IL-1 β IL-2R IL-8 IL-10 TNF- α
Liver Fibrosis	PIIIP N-P CIV LN HA CG
Thrombus	FDP TAT PIC TM t-PAIC
Thyroid Markers	T3 T4 FT3 FT4 Anti-Tg Anti-TPO TSH Tg Anti-TSHR TMAb
TORCH	Toxo IgG Toxo IgM RV-IgG RV-IgM CMV-IgG CMV-IgM HSV-I IgG HSV-II IgG HSV-II IgM
Gastric Function	PGI PGII G17
Tumor Markers	tPSA AFP fPSA CEA CA19-9 CA50 CA15-3 CA125 CYFRA21-1 NSE CA242 CA72-4 HE4 SCC ProGRP PIVKA-II AFP-L3
Brain Damage	S100
Others	IGFBP-3 IgE β 2-MG NGAL

Test Items

Items with * are coming soon.

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/WB	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; 20 µL 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
Brain Damage						
S100	0.005-39 µg/L	0.105 µg/L	S	99 µL S	23 min	NMPA CE

TEST ITEMS	MEASURING RANGE	CUT-OFF VALUE	SAMPLE TYPES	SAMPLE VOLUME	REACTION TIME	QUALIFICATION
Gastric Function						
PGI	1.00-200.00 ng/mL	PGI $\geq$ 70.00 ng/mL PGI/PGII $\geq$ 3.0	S/P	19 μ L S/P	18 min	NMPA 
PGII	1.00-100.00 ng/mL	PGI $\geq$ 70.00 ng/mL PGI/PGII $\geq$ 3.0	S/P	19 μ L S/P	18 min	NMPA 
G17	1.00-500.00 pmol/L	1.70-7.60 pmol/L	S/P	49 μ L S/P	23 min	NMPA 
Hormones						
FSH	0.2-200.0 mIU/mL	Refer to user manual	S/P	19 μ L S/P	16 min	NMPA 
LH	0.2-250 mIU/mL	Refer to user manual	S/P	49 μ L S/P	16 min	NMPA 
PRL	0.25-200 ng/mL	Refer to user manual	S/P	20 μ L S/P	16 min	NMPA 
Estradiol	20-4800 pg/mL	Refer to user manual	S/P	50 μ L S/P	27 min	NMPA 
Progesterone	0.1-40 ng/mL	Refer to user manual	S	25 μ L S	27 min	NMPA 
Testosterone	0.1-16 ng/mL	Male: 1.75-7.81 ng/mL Female: 0.75 ng/mL	S/P	50 μ L S/P	27 min	NMPA 
β -HCG	0.6-20000.0 mIU/mL	Refer to user manual	S/P	10 μ L S/P	33 min	NMPA 
UE3	0.07-12.00 ng/mL	Refer to user manual	S/P	50 μ L S/P	21 min	NMPA 
AMH	0.01-23.00 ng/mL	Refer to user manual	S/P	50 μ L S/P	26 min	NMPA 
SHBG	0.1-250 nmol/mL	Refer to user manual	S/P	10 μ L S/P	18 min	NMPA 
free β -HCG	0.1-190.0 mIU/mL	0.1 mIU/mL	S/P	10 μ L S/P	21 min	NMPA 
DHEA-S	3.00-1500.00 μ g/dL	Refer to user manual	S/P	25 μ L S/P	26 min	NMPA 
PAPP-A	4.0-10000.0 mIU/L	Refer to user manual	S	10 μ L S	18 min	NMPA 
Thyroid Markers						
TSH	0.005-100 μ IU/mL	0.27-4.2 μ IU/mL	S/P	100 μ L S/P	27 min	NMPA 
T3	0.3-10 nmol/L	1.3-3.1 nmol/L	S/P	50 μ L S/P	27 min	NMPA 
T4	5.4-320.0 nmol/L	58-151 nmol/L	S/P	10 μ L S/P	27 min	NMPA 
FT3	0.4-50 pmol/L	3.1-6.8 pmol/L	S/P	50 μ L S/P	27 min	NMPA 
FT4	0.3-100 pmol/L	12-22 pmol/L	S/P	15 μ L S/P	27 min	NMPA 
Anti-TPO	5.0-600.0 IU/mL	34.0 IU/mL	S/P	30 μ L S/P	27 min	NMPA 
Anti-Tg	10.0-4000.0 IU/mL	115 IU/mL	S/P	25 μ L S/P	27 min	NMPA 
Tg	0.04-500.00 ng/mL	3.50-77.00 ng/mL	S/P	50 μ L S/P	27 min	NMPA 
Anti-TSHR	0.8-40.0 IU/L	1.75 IU/L	S/P	50 μ L S/P	27 min	NMPA 
TMAb	1.5-100.00 IU/mL	10 IU/mL	S/P/WB	50 μ L S/P/WB	27 min	NMPA 
Infectious Disease						
HBsAg	0.05-200.00 IU/mL	0.05 IU/mL	S/P	150 μ L S/P	52 min	NMPA
Anti-HBs	1.00-1000.00 mIU/mL	10.00 mIU/mL	S	100 μ L S	26 min	NMPA
HBeAg	0.05-210 IU/mL	0.11 IU/mL	S/P	100 μ L S/P	26 min	NMPA
Anti-HBe	0.15-5.40 IU/mL	0.18 IU/mL	S/P	150 μ L S/P	26 min	NMPA
Anti-HBc	0.30-22.50 IU/mL	0.35 IU/mL	S/P	50 μ L S/P	26 min	NMPA
Anti-HCV	/	1.00 S/CO	S/P	50 μ L S/P	26 min	NMPA
Syphilis	/	1.00 S/CO	S/P	50 μ L S/P	18 min	NMPA 
HIV Ag/Ab Combo	/	1.00 S/CO	S/P	100 μ L S/P	52 min	NMPA
Hypertension						
Cortisol	0.4-60 μ g/dL	S: 6.7-22.6 μ g/dL Urine: 58-403 μ g/24h	S/P/Urine	50 μ L S	28 min	NMPA 
Renin	0.50-500.00 pg/mL	Standing position: 4-38 pg/mL Prone position: 4-24 pg/mL	P	50 μ L P	21 min	NMPA 
ALD	8-1000 pg/mL	Standing position: 40-310 pg/mL Prone position: 10-160 pg/mL	S/P/WB	100 μ L S/P/WB	28 min	NMPA 
ACTH	1-2000 pg/mL	7.2-63.3 pg/mL	P	90 μ L P	23 min	NMPA 

TEST ITEMS	MEASURING RANGE		CUT-OFF VALUE	SAMPLE TYPES	SAMPLE VOLUME	REACTION TIME	QUALIFICATION
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
Calcitonin	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	9 min	NMPA CE
PIC	0.05-40.00 μg/mL		0.8 μg/mL	P/WB	10 μL P/WB	9 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	9 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/P/WB	10 μL S/P/WB	17 min	NMPA CE
IL-1β	1.50-1000.00 pg/mL		5 pg/mL	S/P/WB	100 μL S/P/WB	27 min	NMPA CE
IL-10	1.00-1000.00 pg/mL		9.1 pg/mL	S/P/WB	100 μL S/P/WB	27 min	NMPA CE
TNF-α	1.70-1000.00 pg/mL		8.1 pg/mL	S/P/WB	100 μL S/P/WB	27 min	NMPA CE
IL-8	2.00-7500.00 pg/mL		62 pg/mL	S/P/WB	50 μL S/P/WB	22 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
Coming Soon							
Tumor Markers		Hypertension		Autoimmune			
AFP-L3%*		AT I*, AT II*		dsDNA IgG*, SS-A IgG*, SS-B IgG*, JO-1 IgG*, AMA-M2*			
TORCH							
CMV IgM*, Rubella IgM*, Toxo IgM*, HSV- I IgM*, HSV- II IgM*, CMV IgG*, Rubella IgG*, Toxo IgG*, HSV- I IgG*, HSV- II IgG*							



GP Getein Biotech, Inc.

Add.: No.9 Bofu Road, Luhe District, Nanjing, 211505, China
Tel.: +86-25-68568508/68568594
Fax: +86-25-68568500
E-mail: overseas@getein.com.cn; marketing@getein.com.cn
Web.: www.getein.com



FSC



NMPA



BGMP

NGSP

IFCC

