



Break through the common diagnostic limitation

Initiate a new era for high-sensitive compact immunoassay analyzer



Compact Automatic Chemiluminescence Immunoassay System (MQ60)

- ◆ Provide the best solution for Emergency, ICU, Clinical department and Central labs
- ◆ Central lab quality at the point of care

■ Automatic Chemiluminescence Immunoassay Analyzer (MQ60)

CFDA No. : 20173403157



Hospital Departments Application

MQ60 is providing fast, differential diagnosis and easy to operate and install.

High precision makes our MQ60 analyzer suitable for Cardiology, Emergency, ICU, Clinical Lab, Pneumology Department, Pediatric Department etc.

Test items

Cardiac : hs-cTnI, CK-MB, MYO, H-FABP, D-Dimer, NT-proBNP, Lp-PLA2

Inflammation Monitoring: CRP, PCT, m-PCT, IL-6

Kidney Function: NGAL, Cys-C

Bone Metabolism: 25-OH-Vitamin D

Tumor Marker: AFP, GP73, AFP-L3, DCP, CEA, CYFRA21-1, CA125, t-PSA, CA153, NSE, G17 Ferritin, CA72-4, CA19-9, HE4, CA242, PG I, PG II

Thyroid: T3, T4, TSH, FT3, FT4, TGA, Anti-TPO

Fertility: FSH, LH, PRL, AMH, INH B, E2, Progesterone, Testosterone

Features:

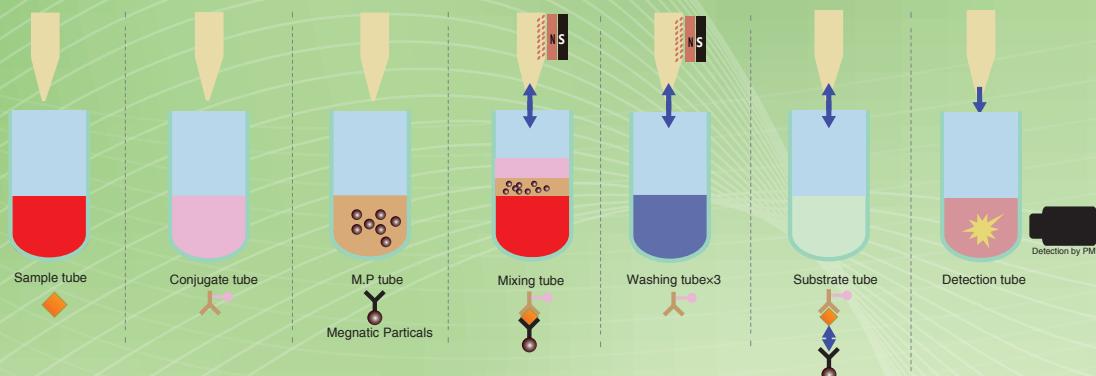
- Fully automatic, fully quantitative
- Single-dose format for all assays
- No inter-reagent or inter-sample contamination
- No additional reagents, buffer solution or sample pipettes required
- 6 parallel independent test channel enables doing six samples simultaneously
- Test 6 same or different samples in 17 or more minutes
- A small volume specimen, the specimen can be Whole blood, Plasma, Serum
- Quality Control available
- Realize high accuracy and high precision
- Adequate for Emergency, ICU, Clinical Lab and Central Lab
- LIS connected
- A water connection or drain is not necessary



Beijing Hotgen Biotech Co.,Ltd.

■ Test Principle

MQ60 Automate chemiluminescence immunoassay analyzer, Adopt chemiluminescence enzyme immunoassay technology with magnetic particle technology. Through detect the analyte substrate luminous intensity, and calculate the analyte concentration.



■ Test steps

Place reagent → Add sample → Insert rack → Add tips → Press start



■ Technical Specifications

Instrument type	Compact Immunoassay Analyzer
Throughput	Up to 6 samples or parameters per run
Measuring time	17 or more minutes for 6 samples in same test items or different test items
Specimen	Whole blood, Plasma, Serum, Urine
Measuring principle	Chemiluminescence enzyme immunoassay technology and magnetic technology
Reaction temperature	37 °C
Detection	Photo multipuer tube (PMT)
Sample volume	100 ul
Data storage	Unlimited
Dimensions	600 (w) x 380 (d) x 600 (h) mm
Weight	40 kg
Electricity requirements	220 V±22V Frequency (50 Hz ±1 Hz) Power 400VA
Monitor/keyboard	External computer equipped
Printer	External printer (purchased separately)
Consumable	Pipette Tips, Waste box
System version	Hotgen MQ60 operating system
Calibration	Factory calibration, 2-point calibration every 28 days
24-h operation (stand-by)	Available



Test items	Disease application	Linear range	Specimen	Certificate
Hs-cTnI	Myocardial injury/myocardial infarction	0.02-50ng/mL	Whole blood/ serum /plasma	CFDA/CE
CK-MB	Myocardial injury/myocardial infarction	2-500ng/mL	Whole blood /serum /plasma	CFDA/CE
MYO	Myocardial injury/myocardial infarction	5-1000ng/mL	Whole blood/ serum /plasma	CFDA/CE
H-FABP	Myocardial injury	0.2-300ng/ml	Whole blood /serum /plasma	CFDA/CE
NT-proBNP	Heart failure	50-30000pg/mL	Whole blood /serum /plasma	CFDA/CE
Lp-PLA2	Coronary heart disease ischemic stroke risk assessment	5-1000ng/mL	Whole blood /serum /plasma	CFDA/CE
D-dimer	Phlebothrombosis	2.5-2500ng/mL	Whole blood/ plasma	CFDA/CE
PCT	Bacterial infection sepsis	0.02-100ng/ml	Whole blood/ serum/ plasma	CFDA/CE
m-PCT	Bacterial infection sepsis	0.15-100ng/ml	Whole blood /serum/ plasma	CFDA/CE
CRP	Cardiovascular inflammation & common inflammation	0.5-150mg/L	Whole blood /serum/ plasma	CFDA/CE
IL-6	Common inflammation & Bacterial infection	1.5-5000pg/mL	Whole blood/ serum /plasma	CFDA/CE
NGAL	Acute kidney injury	10-1000ng/ml	Serum	CFDA/CE
Cys-C	Acute and chronic kidney diseases	0.02-4ng/ml	Whole blood /serum /plasma	CFDA/CE
25-OH-VD	Bone Metabolism	3-70ng/ml	Serum	CFDA/CE
GP73	Notable liver injury & liver cirrhosis diagnose	50-500ng/ml	Serum /plasma	CFDA/CE
AFP	Liver cancer diagnose	0.6-1200ng/ml	Serum /plasma	CFDA/CE
DCP	Liver cancer diagnose	5-20000ng/ml	Serum	CFDA/CE
CA125	Ovarian cancer	0.6-5000U/ml	Serum /plasma	CE
t-PSA	Prostate diseases	0.1-100ng/ml	Serum /plasma	
CA153	Mammary cancer	1-300U/ml	Serum /plasma	CE
NSE	Lung cancer	0.1-300ng/ml	Serum	CE
Ferritin	Malignant tumors	0.5-2000ng/ml	Serum /plasma	CE
CA19-9	Pancreatic and other digestive tract malignant tumors	0.6-1000 U/ml	Serum /plasma	CE
PG I	Gastric diseases	1-200ng/ml	Serum /plasma	CE
PG II	Gastric diseases	0.5-100ng/ml	Serum /plasma	CE
T3	Thyroid function	0.25-6.0ng/ml	Serum /plasma	CE
T4	Thyroid function	0.95-32pg/ml	Serum /plasma	CE
FT3	Thyroid function	1.0-76pg/ml	Serum /plasma	CE
FT4	Thyroid function	10-240ng/ml	Serum /plasma	CE
TSH	Thyroid function	0.05-100mIU/L	Serum /plasma	CE
AMH	Ovarian reserve function	0.05-23ng/ml	Serum	CE