

Test Menu

Panel	Parameter	Qualification	Sample Type
Cardiac	hs-cTnI	NMPA	S/P/WB
	CK-MB	NMPA	S/P/WB
	MYO	NMPA	S/P/WB
	H-FABP	NMPA	S/P/WB
	Lp-PLA2	NMPA	S/P/WB
	NT-proBNP	NMPA	S/P/WB
	BNP	NMPA	S/P/WB
	ST2	NMPA	S/P/WB
	cTnI	NMPA	S/P/WB
	D-Dimer	NMPA	P/WB
Inflammation	PCT	NMPA	S/P/WB
	CRP	NMPA	S/P/WB
	IL-6	NMPA	S/P/WB
	CEA	NMPA	S/P
	CA125	NMPA	S/P
Tumor	HE4	NMPA	S/P
	CYFRA21-1	NMPA	S/P
	CA15-3	NMPA	S/P
	CA242	NMPA	S
	CA19-9	NMPA	S/P
	CA72-4	NMPA	S/P
	CA50	NMPA	S/P
	NSE	NMPA	S
	proGRP	NMPA	S/P
	SCCA	NMPA	S/P
Liver Disease	tPSA	NMPA	S/P
	VEGF	NMPA	S
	TK1	NMPA	S/P
	AFP	NMPA	S/P
	AFP-L3%	NMPA	S/P
	DCP	NMPA	S
	GP73	NMPA	S/P
	CK18-M30	NMPA	S
	CK18-M65	NMPA	S
	G-17	NMPA	S/P
Gastric Function	PGI	NMPA	S/P
	PGII	NMPA	S/P
	Renal Function	NGAL	NMPA
Brain Injury	S100	NMPA	S/Urine
	Ferr	NMPA	S/P
Anemia	VB12	NMPA	S/P
	FA	NMPA	S/P
Thyroid	TSH	NMPA	S/P
	TT4	NMPA	S/P
	TT3	NMPA	S/P
	FT4	NMPA	S/P
	FT3	NMPA	S/P
	Anti-TG	NMPA	S/P
	Anti-TPO	NMPA	S/P
	TG	NMPA	S/P
	FSH	NMPA	S/P
	E2	NMPA	S/P
Sex Hormone	T	NMPA	S/P
	P	NMPA	S/P
	LH	NMPA	S/P
	PRL	NMPA	S/P
	AMH	NMPA	S
	β-HCG	NMPA	S/P
Growth Hormone	GH	NMPA	S/P
	IGFBP-3	NMPA	S/P

• Available • Coming soon

Hotgen

Beijing Hotgen Biotech Co.,Ltd

Add.: No.55, Qingfeng West Road, Daxing District, Beijing, 102629, P.R. China

Tel: +86 010-50986588

Website: www.hotgenbiotech.com

E-mail: sales@hotgen.com.cn



Hotgen

C2000

Fully Automated Chemiluminescence Immunoassay Analyzer

1.0

Key Advantages

Backed by the National “13th Five-Year” Major S&T Program

Aligned with the National “13th Five-Year” Infectious Disease Program:
Liver Cancer Biomarkers (AFP, AFP-L3%, DCP) and GP73

Disposable Tips & Triple Washing

One-time use tips with advanced triple-wash design
Ensures contamination-free sampling and reliable results

Intelligent Mechanical Gripper

Innovative gripper design for precise and stable tube handling
Guarantees reliability in every grip and release

Key Features

High Throughput & Efficiency

- Supports multiple assays simultaneously on a single instrument
- 60 sample positions, delivering 120–150 tests per hour (minimum 120 T/h depending on the assay)

Strong Anti-Contamination

- Uses disposable sample tips with a proprietary triple-separation washing process
- Ensures virtually zero carry-over contamination

Intelligent Detection

- Accurate liquid level detection technology
- Ensures reliable and precise liquid level monitoring

Intelligent & Automated

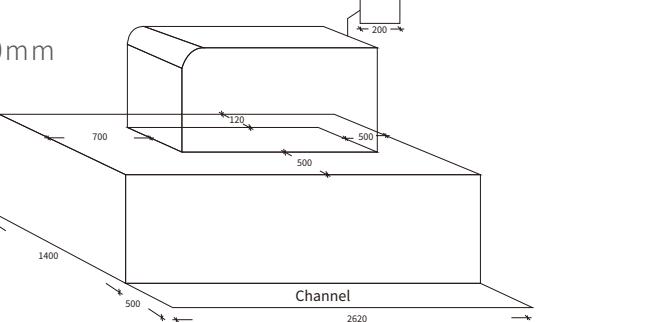
- Automatic on-board dilution for high-value samples
- Full touchscreen interface
- LIS-compatible for seamless laboratory integration

Fully Automated Workflow

- Automates the entire process: sample loading, mixing, incubation, separation & washing, detection, result calculation, and report generation

Dimensions

Instrument Dimensions (including computer screen): 1600X780X750mm



Recommended Space for Single Unit: 2620 X 1900mm

Recommended Channel Width: Minimum 500mm

Functional Modules

1

System Control Center:

- Windows-based environment with proprietary software, supporting both Chinese and English interfaces, full touchscreen operation
- Automatic calibration and quality control analysis
- Automatic dilution for high-value samples
- LIS integration for automatic result upload
- Automated maintenance functions
- Full-process visualization on the operation interface

4

Substrate Module:

- Supports online replacement

6

Reagent Needle:

- High-pressure washing of inner and outer surfaces, prevents cross-contamination

8

Sample Needle:

- Intelligent liquid level detection
- Automatic clot detection
- Supports continuous sample loading
- Anti-collision protection for the sample needle

9

Photometry Module:

- Ultra-sensitive photon counting with near-zero background
- Optimized light-shielding structure for accurate measurements

3

Sample Positions:

- 60 sample slots
- Supports various sample tube types
- Supports online dilution

2

Reaction Area:

- Anti-jam cup design
- Compatible with all commonly used immunoassay modes
- Supports both routine and STAT sample testing
- Delivers 120–150 tests per hour (minimum 120 T/h depending on the test items)

5

Consumable Storage:

- Accommodates 240 reaction cups and 240 tips per load
- Allows seamless, continuous refilling for nonstop operation

7

Reagent Positions:

- 18 slots for simultaneous detection of up to 18 test items
- On-board reagent addition and replacement for uninterrupted operation
- Continuous cooling to maintain reagent stability
- Magnetic particles positions with mixing capability
- Barcode and QR code identification for accurate reagent tracking

