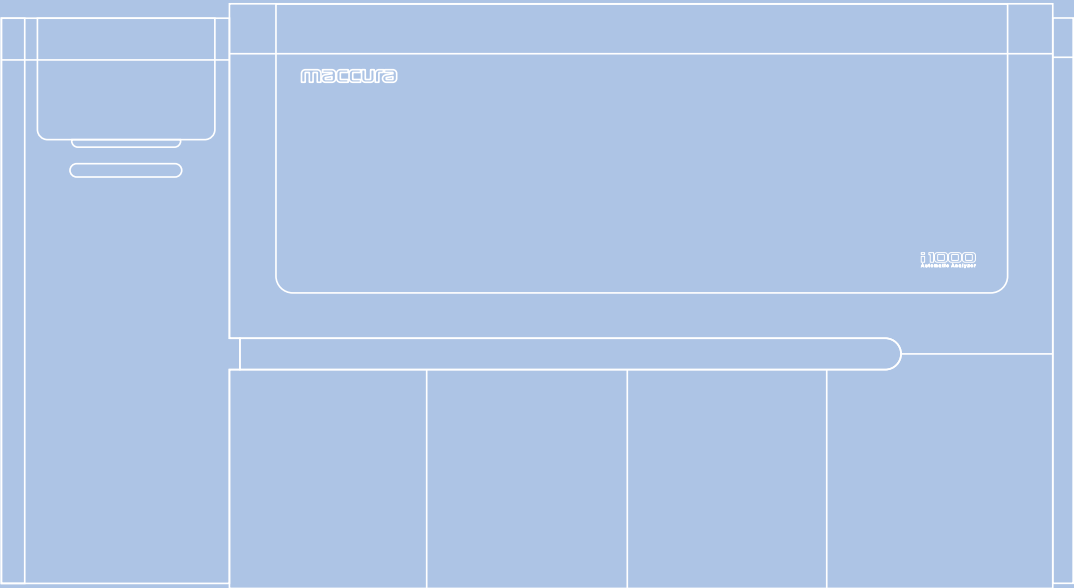




i1000

AUTOMATIC
CHEMILUMINESCENCE
ANALYZER



NOTICE: This brochure is for reference purpose only and subject to change without notice.

MACCURA BIOTECHNOLOGY CO., LTD.
Add: 8#, 2nd Anhe Road, Hi-tech Zone, 611731 Chengdu
Tel: +86 28 8173 1888
E-mail: maccura@maccura.com www.maccura.com



WEBSITE



WECHAT

STABLE
FAST
CONVENIENT
RELIABLE

i 1000

AUTOMATIC CHEMILUMINESCENCE ANALYZER

i 1000 Automatic Chemiluminescence Immunoassay System uses the magnetic microparticles based, Acridinium Ester (AE) direct chemiluminescence technology. The character of stable performance, fast report, convenient operation and reliable results could make it fully applicable to various application environments of medical laboratories.

The design orientation of i 1000 could not only meet the routine test requirements of medium and small hospitals, but also provide supports to the assay development and STAT tests of large hospitals. The mature compatible system of instrument and reagent, and strict system of metrological traceability could ensure the test results accurate and reliable.



Stable

Multiple magnetic separation technology, high-efficient B/F separation.
Patented magnetic field design, minimize the magnetic beads' loss.
The track-based technology ensures the accurate sampling of micro-volume.
The needle has the detection function to the liquid level, clot and aspiration failure. The carry-over is less than 0.1ppm.

Fast

Single-module runs up to 180T/H
Time to the first result: 14 minutes

Convenient

Automatic startup and shutdown
Continuous reagents replacement and samples loading during the operation
STAT Prioritization, Automatic Rerun
Chinese software, easy to learn

Reliable

Full loaded unattended operation for 4 hours
Remote Diagnosis
Thorough system of metrological traceability



i1000
AUTOMATIC CHEMILUMINESCENCE ANALYZER



Cuvettes loading by dumping, one-time for 1200 cuvettes.



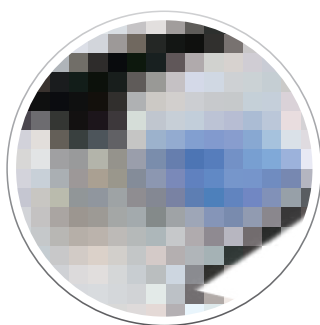
Used cuvettes recycling to separate the solid and liquid, which will efficiently reduce the biological safety risks.



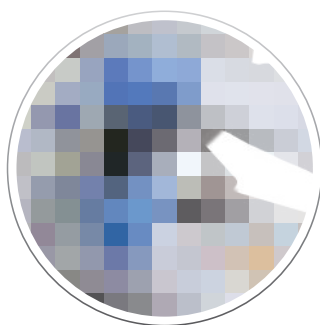
30 refrigerated reagent positions, RFID management for reagent info, online reagent replacement.

i1000

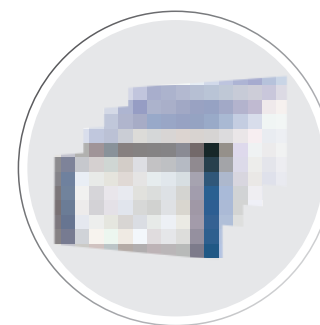
AUTOMATIC CHEMILUMINESCENCE ANALYZER



STAT samples could be placed randomly and be tested preferentially.



RFID management for activators
Special design to prevent the activators to be placed incorrectly.



Humanized interface design, convenient operation and easy to learn.

i1000

AUTOMATIC CHEMILUMINESCENCE ANALYZER

INFECTIOUS DISEASES	AUTOIMMUNE ANAS
HBsAg	SSA(Ro52)
HBsAb	SSA(Ro60)
HBeAg	SSB(La)
HBeAb	Sm
HBcAb	Sm/RNP
HIV Ag/Ab	Scl-70
anti-TP	Jo-1
anti-HCV	His
anti-HAV IgM	AMA-M2
anti-HBc IgM	CENP-B
HBV PreS1	Rib-P
anti-HDV IgM*	dsDNA
anti-HDV IgG *	Nuc
anti-HEV IgM*	PCNA
anti-HEV IgG*	PM-Scl

TUMOR MARKERS	SEX HORMONES
AFP	LH
CEA	FSH
CA125	PRL
CA15-3	Prog
CA19-9	β -HCG
NSE	E2
CYFRA21-1	Tes
SCC	AMH
CA50	hGH
pro-GRP	17-OH Prog*
CA242	DHEA-SO4*
CA72-4	
HE4	

ALLERGY
IgE

THYROID FUNCTION	TORCH EUGENICS
TSH	TOXO IgG
FT4	TOXO IgM
TT4	Rubella IgG
FT3	Rubella IgM
TT3	CMV IgG
anti-TPO	CMV IgM
anti-TG	HSV 1 IgG
Tg	HSV 2 IgG
CT	HSV 1 IgM
TRAb*	HSV 2 IgM

HYPERTENSION	AUTOIMMUNE HEPATOSIS*
ALD	AMA-M2
Renin	LKM
Corti	sp100
ACTH	SLA
Angio-2*	

AUTOIMMUNE DIABETES*	PRENATAL SCREENING
IAA	AFP
GADA	uE3*
ICA	Free β -HCG*
IA-2A	PAPP-A *

CARDIAC MARKERS	ANEMIA
CK-MB	Ferr
cTnI	FA
Myo	VB12
NT-Pro BNP	
D-dimer	

AUTOIMMUNE RHEUMATIC DISEASE	INFLAMMATION
anti-CCP	PCT
RF	IL-6

BONE METABOLISM	GLYCOMETABOLISM
25-OH VD	C-P
iPTH	INS

Note:The items marked with "*" are projects under certification

New assays available soon

SPECIFICATIONS

Performance

Technology: Automatic /single tube Principle: Acridinium Ester (AE) Direct Chemiluminescence immunoassay technology
Throughput: 180 Tests/h for one module
Time to the first result: 14min

Sample Module

Sample loading capacity: 50, loading with sample racks.
Automatic retest, STAT samples could be placed randomly and tested preferentially

Sample Loading System Module

Sample carry-over <0.1ppm
Foam/Clot and Liquid level detection / Volume tracking / Collision-avoidance
Sample type: Serum /Plasma /Whole blood /Urine

Reagent Module

30 reagent positions
Information management through Radio Frequency Identification Card (RFID)
Real-time, onboard mixture of magnetic beads
Reagent online replacement

Consumable Module

Loading capacity of cuvettes: 1200
Cuvettes loading by dumping

Detection Module

Reaction temperature: 37°C
Mode: Compatible with the common immunoreaction
Mixing: Non-contact Stir
Magnetic separation: Multiple magnetic separation technology

Function

Operation system: Windows 7 and above
Display: LCD touch screen
Remote diagnosis system
Automatic startup & shutdown
Bi-directional communication

Environmental Requirements

Temperature: 10°C-30°C
Humidity: 30%-70%
Altitude: -200m-3700m

Application Environment

Apply to fever clinic and STAT

Solutions monitor vaccination

GDF-15



i 1000 Automatic
Chemiluminescence Analyzer
180T/H



Product features

Safe

Fully closed automatic detection and unattended operation for 4 hours
Used samples recycling to separate the solid and liquid to ensure the biosafe

Convenient

The reaction time is 20 minutes
Pretreatment is not required
Apply to serum and plasma

Accurate

Direct chemiluminiscence technology based on AE has been adopted

Patented washing technology to avoid the carry-over

The positive conversion rate of neutralizing antibody and the content of neutralizing antibody in the blood of subjects after vaccination are one of the main indicators to evaluate the immune response effect.

Also, the IgG can monitor the vaccine because of the Correlation between IgG and neutralizing antibody

Kit information

Products name	Sales Specification	Ref No.
GDF-15 Chemiluminescent Immunoassay Kit	2×50 Tests	IM4406155
hs-CRP Chemiluminescent Immunoassay Kit	2×50 Tests	IM4406303
Pepsinogen I Chemiluminescent Immunoassay Kit	2×50 Tests	IM4406127

i1000

AUTOMATIC CHEMILUMINESCENCE ANALYZER

