i1000

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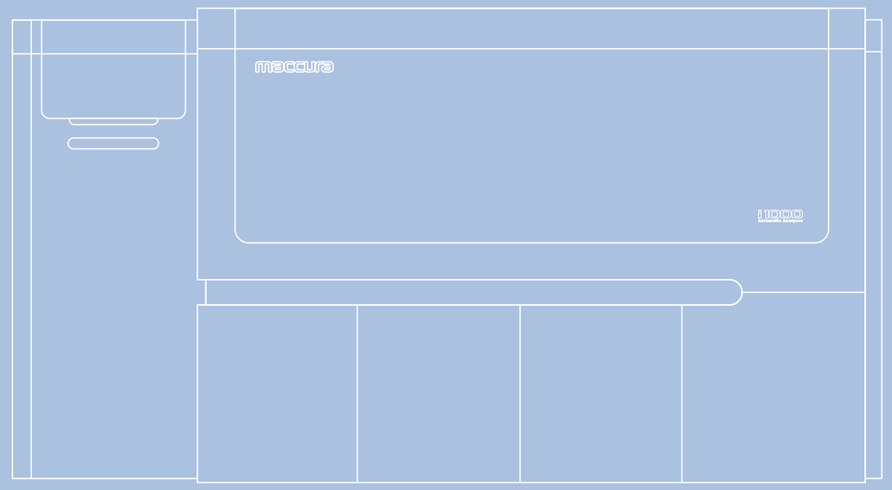
AUTOMATIC CHEMILUMINESCENCE ANALYZER



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WEBSITE WECHAT

2019-12-16-i 1000-1901

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.

i1000
AUTOMATIC CHEMILUMINESCENCE ANALYZER

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.

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

HBsAg
HBsAb
HBeAg
HBeAb
HBcAb
HIV Ag/Ab
anti-TP
anti-HCV
anti-HAV IgM
anti-HBc IgM
HBV PreS1
anti-HDV IgM
anti-HDV IgG
anti-HEV IgM
anti-HEV IgG

AUTOIMMUNE ANAS

SSA(Ro52)
SSA(Ro60)
SSB(La)
Sm
Sm/RNP
Scl-70
Jo-1
His
AMA-M2
CENP-B
Rib-P
dsDNA
Nuc
PCNA
PM-Scl

TUMOR MARKERS

AFP
CEA
CA125
CA15-3
CA19-9
t-PSA
f-PSA
NSE
CYFRA21-1
SCC
CA50
pro-GRP
CA242
CA72-4
HE4

SEX HORMONES

LH
FSH
PRL
Prog
β-HCG
E2
Tes
AMH
17-OH Prog
DHEA-SO4
hGH

ALLERGY

IgE

THYROID FUNCTION

TSH
FT4
TT4
FT3
TT3
anti-TPO
anti-TG
TRAb
Tg
CT

TORCH EUGENICS

TOXO IgG
TOXO IgM
Rubella IgG
Rubella IgM
CMV IgG
CMV IgM
HSV 2 IgG
HSV 1/2 IgG
HSV 1/2 IgM

HYPERTENSION

ALD
Renin
Corti
ACTH
Angio-2

AUTOIMMUNE HEPATOSIS

AMA-M2
LKM
sp100
SLA

AUTOIMMUNE DIABETES

IAA
GADA
ICA
IA-2A

PRENATAL SCREENING

AFP
uE3
Free β-HCG
PAPP-A

CARDIAC MARKERS

CK-MB
Tn
Myo
NT-Pro BNP

ANEMIA

Ferr
FA
VB12

AUTOIMMUNE RHEUMATIC DISEASE

anti-CCP
RF

INFLAMMATION

PCT
IL-6

BONE METABOLISM

25-OH VD
PTH

GLYCOMETABOLISM

C-P
INS

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: 37ºC 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: 10ºC-30ºC Humidity: 30%-70% Altitude: -200m-3700m

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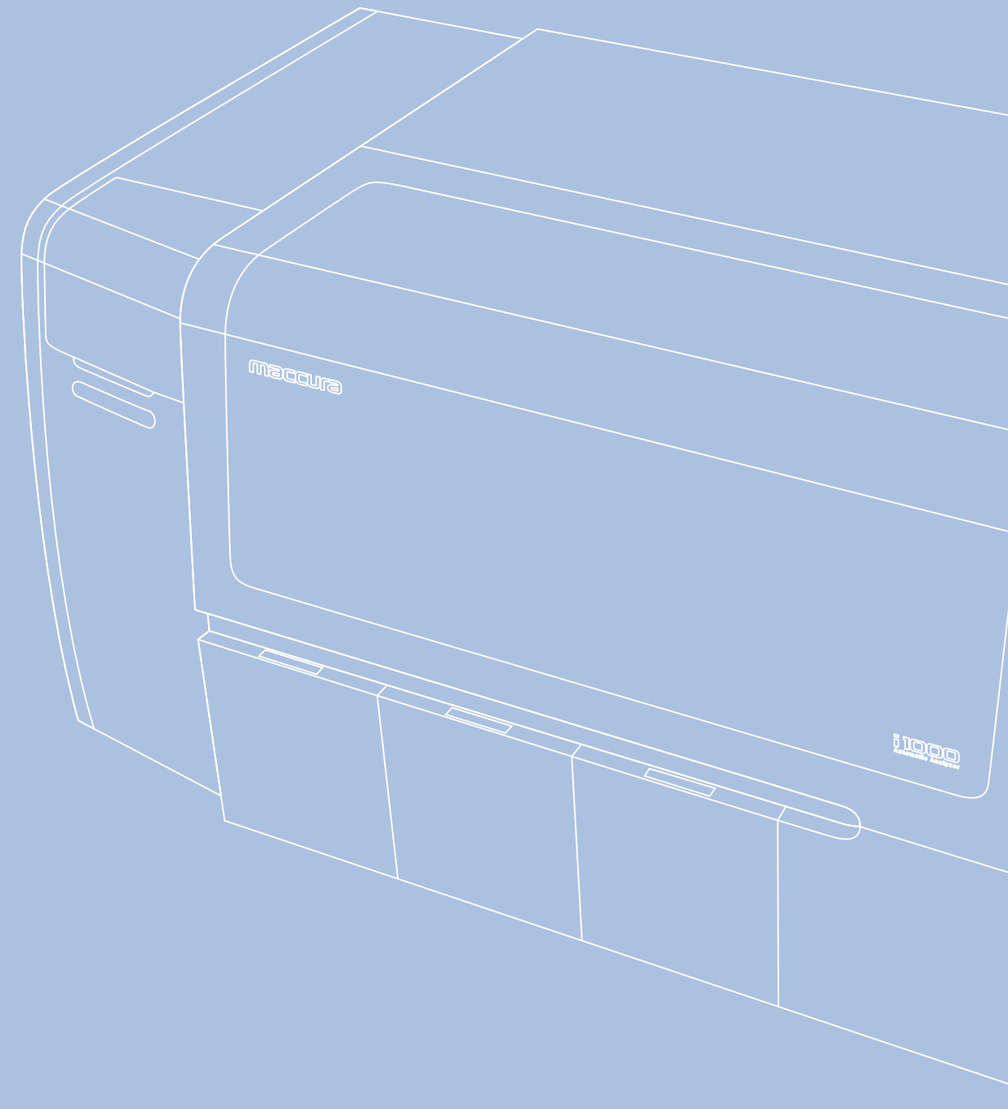

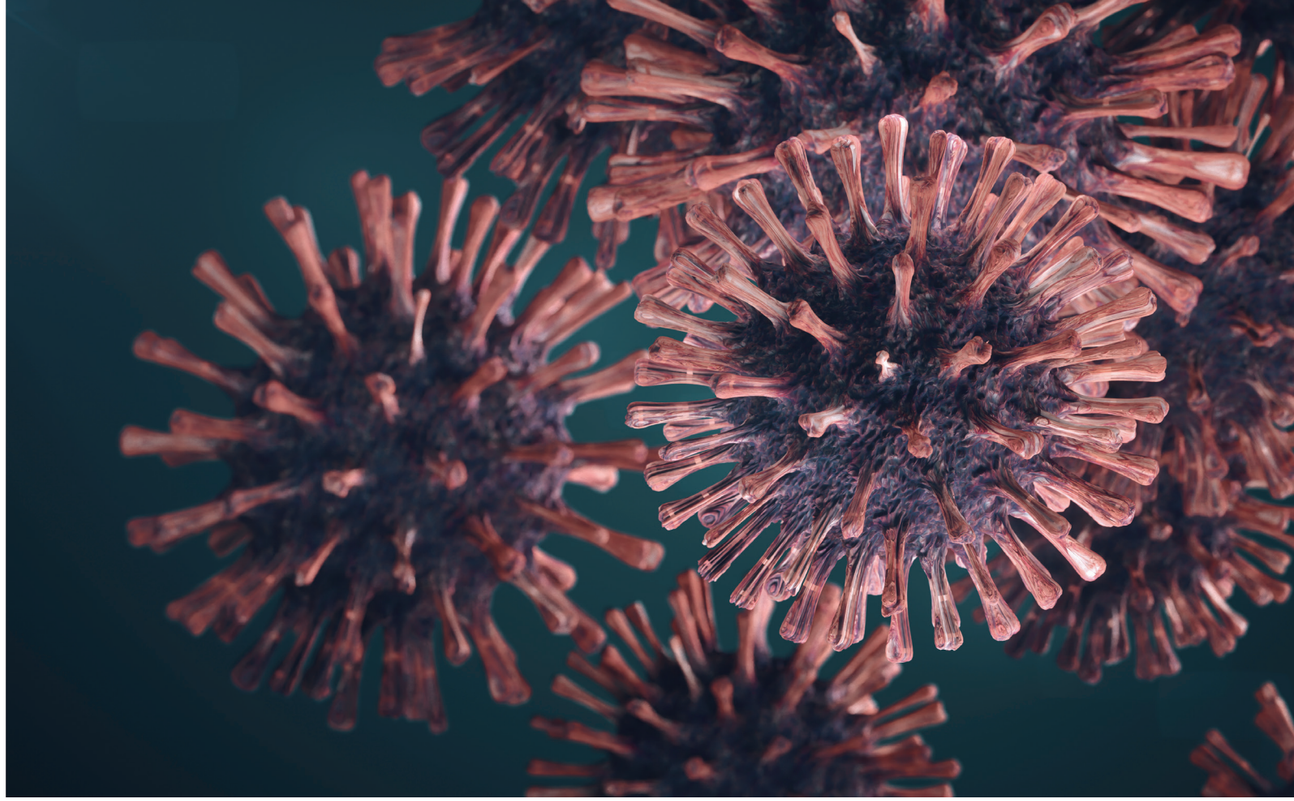

SARS-CoV-2 IgM (CLIA)
SARS-CoV-2 IgG (CLIA)

Compatible with i 3000 and i 1000 automatic chemiluminescence analyzer

SARS-CoV-2 IgM, IgG separate detection
Apply to serum and plasma
Pretreatment is not required.
Response time is 20 minutes
Open vial expiry date is up to 35 days

SCIENCE & TECHNOLOGY
Serve Human Health

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2020-04-10-SARS-CoV-2-CLIA-2001

SARS-CoV-2 IgM (CLIA) SARS-CoV-2 IgG (CLIA)

Clinical evaluation

IgM	Clinical diagnosis results		Total
	+	-	
+	301	0	301
-	45	321	366
Total	346	321	667

Positive coincidence rate (sensitivity)：86.99%
Negative coincidence rate (specificity): 100.00%
Total coincidence rate：93.25%
kappa=0.866

IgG	Clinical diagnosis results		Total
	+	-	
+	333	6	339
-	13	315	328
Total	346	321	667

Positive coincidence rate (sensitivity)96.24%
Negative coincidence rate (specificity)：98.13%
Total coincidence rate：97.15%
kappa=0.943

* Kappa>0.75, which means the test result is highly coincident with the clinical diagnosis results.

Application Environment

Apply to fever clinic and STAT

i 1000 Automatic
Chemiluminescence Analyzer
180T/H

Suitable for large-scale sample processing

i 3000 single module
Automatic Chemiluminescence
Immunoassay System
300T/H

i 3000 Dual-module
Automatic Chemiluminescence
Immunoassay System
600T/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
SARS-CoV-2 IgM, IgG separate detection is suitable for Interpretation of results in different modes
Increase optimized recombinant S protein fragments for better prognosis and rehabilitation assessment

Kit information

Products name	Specifications	Catalog No.
SARS-CoV-2 IgM（CLIA）	2×200 Tests/Box	EIM4408013
SARS-CoV-2 IgG（CLIA）	2×200 Tests/Box	EIM4408014