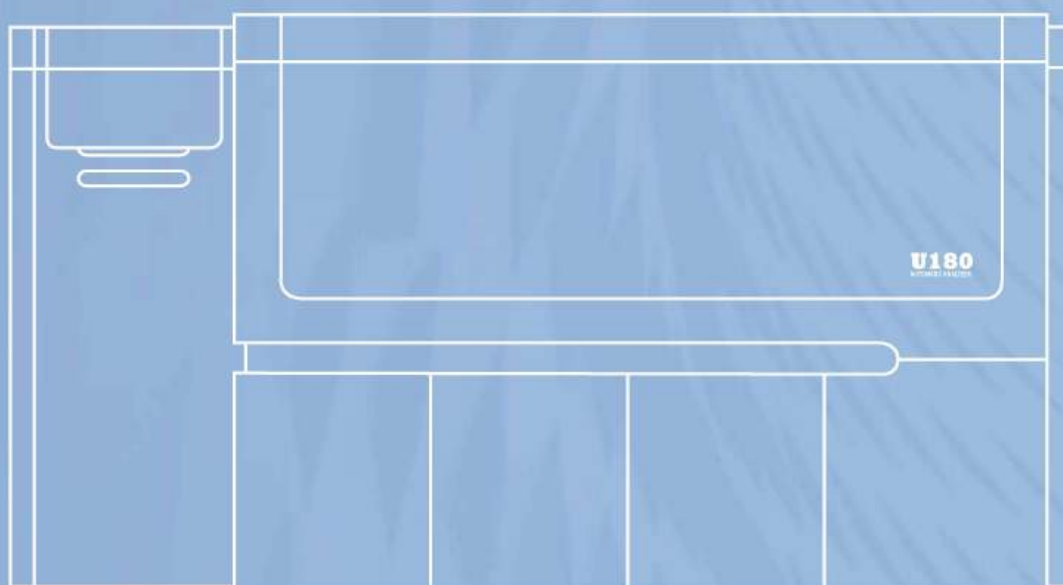


U180

UNIMED

AUTOMATIC CHEMILUMINESCENCE ANALYZER



STABLE
FAST
CONVENIENT
RELIABLE

U180 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 U180 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.

U180

AUTOMATIC CHEMILUMINESCENCE ANALYZER



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.



U180
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

Reliable

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



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



U180

AUTOMATIC CHEMILUMINESCENCE ANALYZER



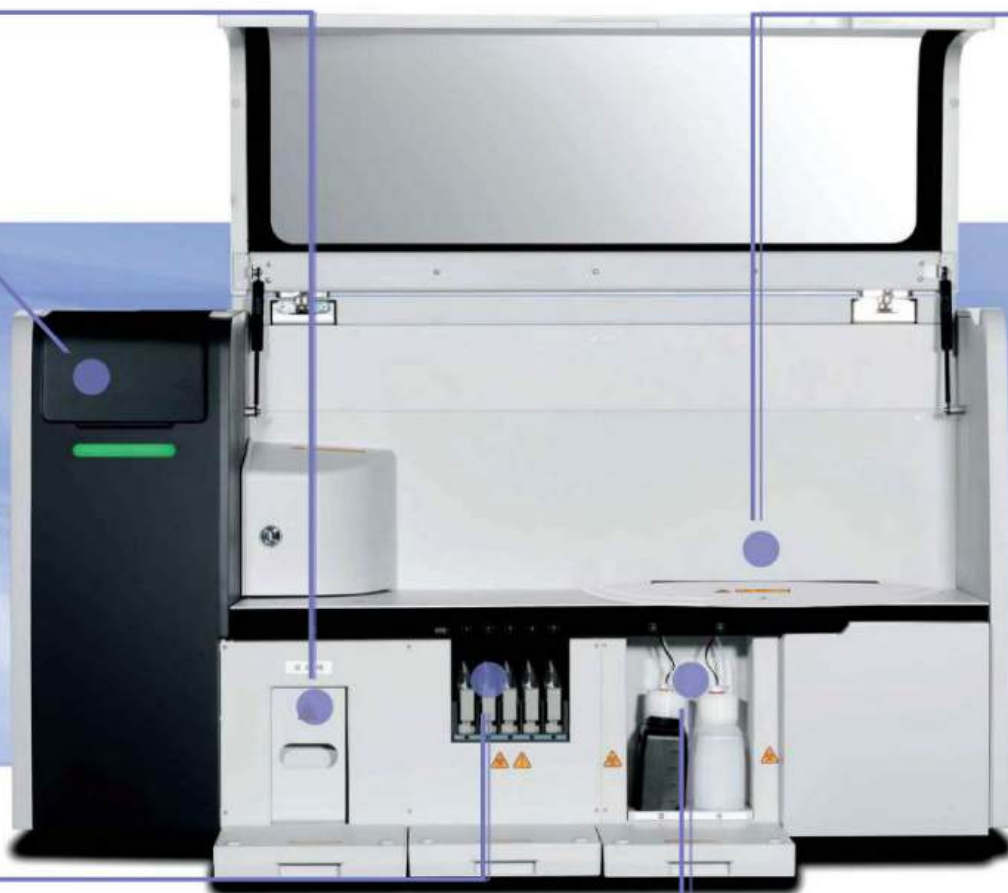
STAT samples could be placed randomly and
be tested preferentially.



Used covettes 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.



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



Humanized interface design, convenient operation and easy to learn.

U180

AUTOMATIC CHEMILUMINESCENCE ANALYZER

INFECTIOUS DISEASES

HBsAg
HBsAb
HBeAg
HBeAb
CRP
MxA
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 *
SARS-CoV-2 IgM
SARS-CoV-2 IgG

TUMOR MARKERS

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

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

SEX HORMONES

LH
ESH
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
TOXI 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 -HCG *
PARP-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 *
iPTH

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

Samole 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



U180 Automatic
Chemiluminescence Analyzer
180T/H



SARS-CoV-2 IgG/IgM SARS-CoV-2 Nab

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 chemiluminescence 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	Lot No.
SARS-CoV-2 neutralizing antibody kit (CLIA)	2x100 test/kit	EIM4415042
SARS-CoV-2 IgG Assay kit (CLIA)	2x100 test/kit	EIM4407014
SARS-CoV-2 IgM Assay kit (CLIA)	2x100 test/kit	EIM4407013



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

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