Artron

iA1000

CHEMILUMINESCENCE
IMMUNOASSAY ANALYZER

COMPACT

STABILITY

AFFORDABLE

PRECISE

INTRODUCTION TO iA1000 ANALYZER

The Artron's iA1000 analyzer operates by mixing the sample with specific reagents containing antibodies or antigens that bind to the target molecule. If the molecule is present in the sample, it binds to these reagents, forming a complex that emits light through a chemiluminescent reaction.

This analyzer is essential in clinical laboratories for a wide range of applications, including diagnosing diseases, monitoring treatment effectiveness, and conducting medical research due to their accuracy, speed, and ability to handle multiple samples efficiently.

TEST MENU

Tumor Marker

CYFRA21-1
NSE
AFP
CEA
CA125
SCCA
CA15-3
CA19-9
CA72-4
HE4
PIVKA II
ProGRP
CA50
CA242
LN

Cardiac Marker

hs-cnTnI
NT-proBNP
BNP
CK-MB
MYO
LP-PLA2
H-FABP

Bone Metabolism

PTH
CT
25-OH VD

Glyco Metabolism

C-P
INS

Anemia

VB12
FA
Ferr

Inflammation

PCT
SAA
IL-6

Fertility

FSH
E2
AMH
PROG
β-HCG
TESTO
LH
PRL
SHBG

Endocrine Hormone

GH
ACTH

Stomach Marker

PG I
PG II
G17

Coagulation

D-Dimer
FDP
PIC
TAT
TM
tPAI.C

Kidney Marker

CORTISOL

Liver Marker

PIIINP
CIV
HA

Thyroid

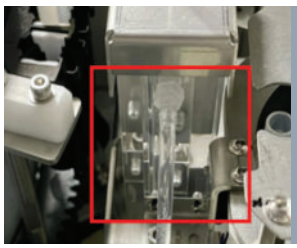
FT4
FT3
TSH
TT3
TT4
TG
TGAb
TPOAb

Note: Product storage and validity period: 2°C-8°C, Warranty: 12 months

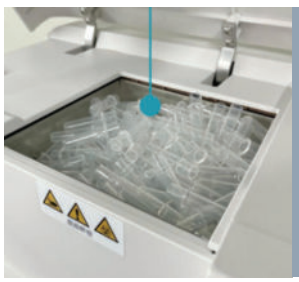
AUTOMATIC & INTELLIGENT

iA1000 possesses specific features that simplify the process of reading and analysis such as:

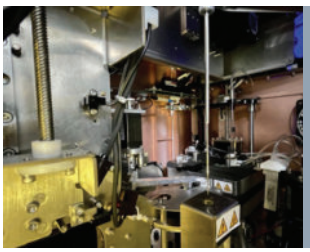
Automatic scanning barcodes of sample and reagent with built-in camera.



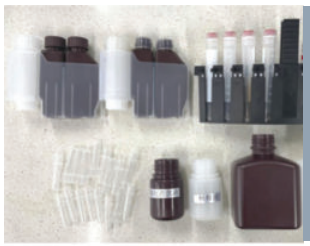
Efficient interior and exterior high pressure probe wash technology.



Convenient loading and offloading of 200 cuvettes in one batch.



Intelligent liquid level detection, collision prevention, clot detection and bubble alarm.

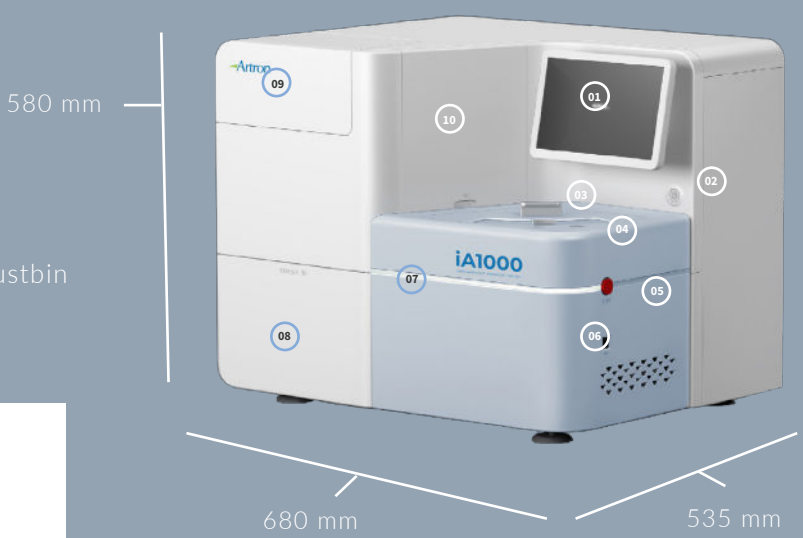


Easy management, consumables package.

User friendly software design + STAT Available

INSTRUMENT IDENTIFICATION

1. 10.1 Inch Touch Screen
2. Power Switch
3. Reagent Disk with 15 positions
4. Sample Disk with 40 positions
5. Emergency button
6. USB Port
7. Indicating light of working status
8. Pre-trigger and Trigger Solutions - Cuvette Dustbin
9. Cuvette Chamber
10. Chamber Door

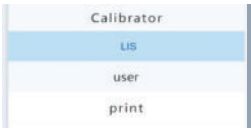


Compact dimension:
680mm*535mm*580mm (L*W*H)

TECHNICAL SPECIFICATIONS

User-Friendly Software Interface significantly shortens training time and effort

Real Time Monitoring of working status by Light



Bidirectional Lis Connection Simple interchange by intuitive software navigation

MODEL	iA1000 CHEMILUMINESCENCE IMMUNOASSAY
WORKING PRINCIPLE	SUPERPARAMAGNETIC PARTICLES PLATFORM WITH ACRIDINIUM ESTER (AE) - LABELED REAGENTS
THROUGHPUT	UP TO 120 TESTS/H
SAMPLE CAPACITY	UP TO 40 POSITIONS IN ONE BATCH
SAMPLE VOLUME	5ul-200ul WITH INCREMENT OF 1ul
SAMPLE DILUTION	AUTOMATIC DILUTION WITH 1:2-1:40 WITHIN ONE OPERATION
REAGENT CAPACITY	UP TO 15 POSITIONS, CONTINUOUS LOADING
COOLING SYSTEM	2 °C - 8 °C
REAGENT PACK	50 TESTS/KIT

MODEL	iA1000 CHEMILUMINESCENCE IMMUNOASSAY
REAGENT VOLUME	5ul-200ul WITH INCREMENT OF 1ul
SAMPLE & REAGENT SCANNING	BUILT-IN/EXTERNAL BARCODE READER
CUVETTE	DISPOSABLE PLASTIC CUVETTE WITH 200PCS AUTOMATIC LOADING AND UNLOADING IN ONE BATCH
WORKING CONDITIONS	
POWER SUPPLY	AC100-240V, 50/60Hz
INPUT POWER	650VA
OPERATION TEMPERATURE	21 °C - 28 °C
RELATIVE HUMIDITY & ALTITUDE HEIGHT	<80% / 3000m

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