Artron

iA1000

CHEMILUMINESCENCE
IMMUNOASSAY ANALYZER

ABOUT ARTRON

With a commitment to excellence. our innovate food saftey and GMO products have revolutionized the biotech industry for over 20 days.

Artron

AROUND THE WORLD

With state-of-the-art manufacturing facilities worldwide, we deliver innovative in vitro diagnostic products for professionals around the world.

+20 Years

4 Standard Auto Assembly Lines

+1MM Units/Day

Canadian Manufacturing Facilities

OUR COMPANY DIVISIONS

Artron

Includes a range of offerings, such as In Vitro Diagnostic Tests, OEM & Private Labelling services, and Uncut Sheets.

Artron Bioresearch Inc.

Includes best-matched pairs of monoclonal antibodies, recombinant antigens, as well as contract research and development.

JOINT VENTURE

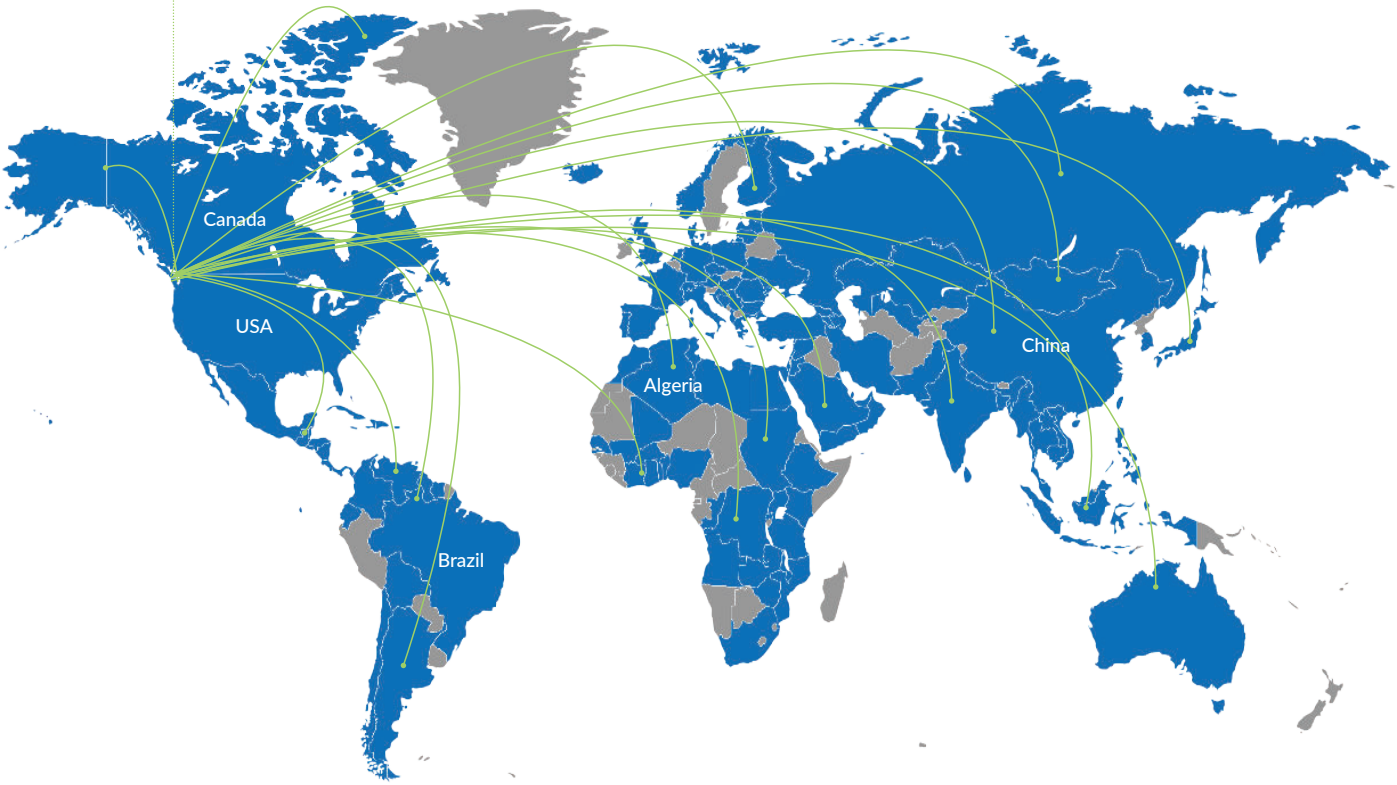
BioArtron

Offers diagnostic technologies, including MCLIA quantitative detection test and 'swift' rapid qualitative test.

Vancouver
Headquarters

200+
Products

140+
Countries



GLOBAL NETWORKING

With decades of experience, we expand our product portfolio and global distribution networks. Our five global distribution centers cover 140+ countries, while eight manufacturing facilities produce over one million test products daily. Committed to excellence, our infrastructure ensures seamless access to high-quality solutions.

ISO 13485 CERTIFIED PRODUCT

COMPLETE CERTIFICATIONS

Besides obtaining certification in ISO 13485:2016, Artron also has FDA and CE approval for many of its products. Additionally, the company's CP4 EPSPS rapid test has been certified by USDA GIPSA.

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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.

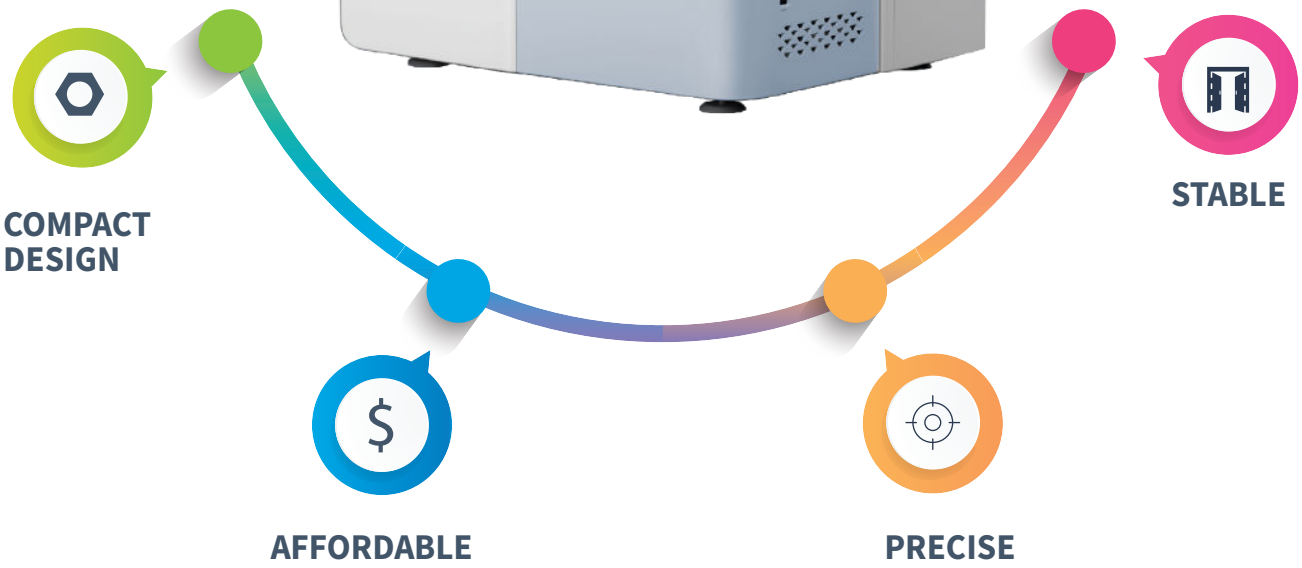
Detection principle

Enzymatic chemiluminescence system, direct chemiluminescence system

- One-step method speed: 120 test/hour
- Two-step method speed: 60 tests/hour
- 40 sample positions support automatic dilution

The magnetic particle chemiluminescence detection platform is small, comprehensive, cost-effective, fully automated, highly intelligent, smart and accurate, and can fully meet the various application scenarios of overseas users, outpatient emergency departments, and clinical departments.

C.A.P.S FEATURES



COMPACT DESIGN

Maximizing lab efficiency, minimizing costs.

AFFORDABLE

Cost-effective solution tailored to your lab requirements.

PRECISE

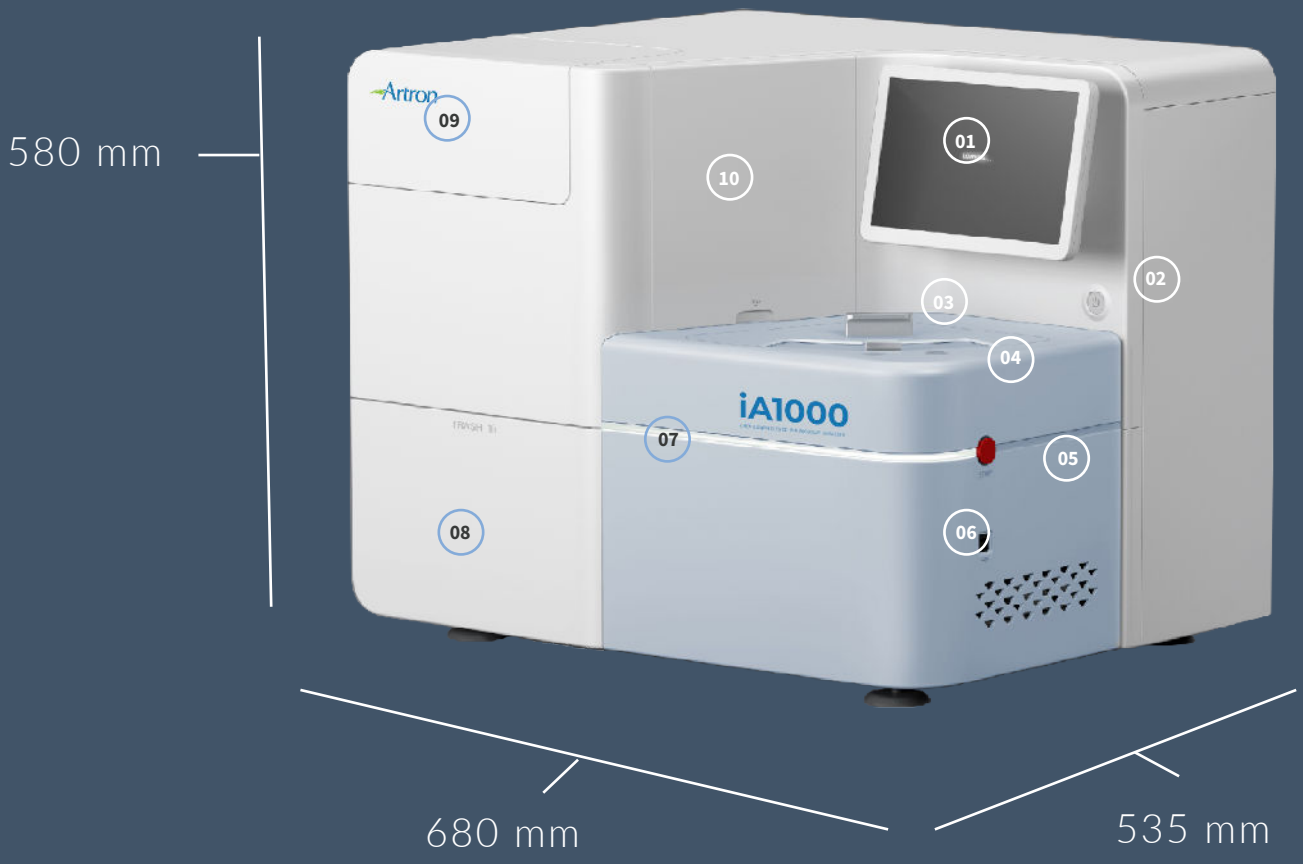
Precision results elevating diagnostic capabilities.

STABLE

Closed system for enhanced stability and traceability.

INSTRUMENT IDENTIFICATION

iA1000 DIMENSIONS



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)

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

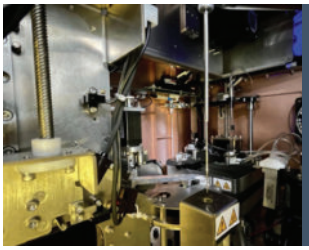
FT4
FT3
TSH
TT3
TT4
TG
TGAb
TPOAb

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

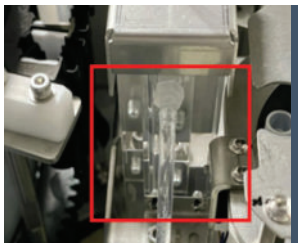
AUTOMATIC & INTELLIGENT

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

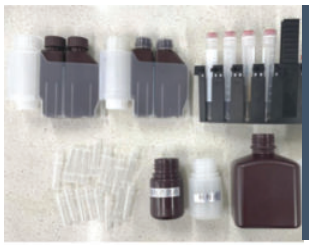
Automatic scanning barcodes of sample and reagent with built-in camera.



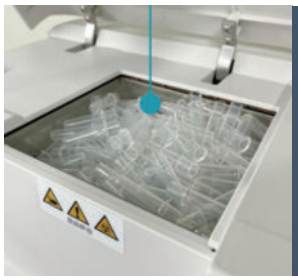
Intelligent liquid level detection, collision prevention, clot detection and bubble alarm.



Efficient interior and exterior high pressure probe wash technology.

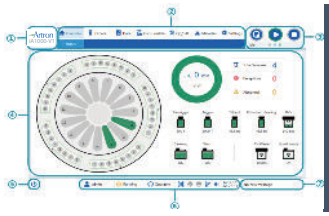


Easy management, consumables package.



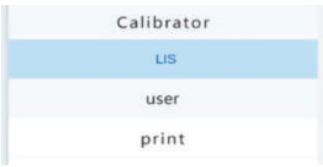
Convenient loading and offloading of 200 cuvettes in one batch.

User friendly software design + STAT Available



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

TECHNICAL SPECIFICATIONS

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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