

Test Panels

Cardiac Marker

Myo
CK-MB
cTnl
NT-proBNP
D-Dimer

Anemia

Ferritin
Vitamin B12
Folate

Growth

hGH

Reproductive Health

Prolactin
E2
LH
Testosterone
Progesterone
FSH
HCG
AMH
Inhibin B
SHBG
DHEA-S

Liver Health

CHI3L1

Thyroid

TSH
FT4
FT3
T4
T3
Tg
Anti-Tg
Anti-TPO
Anti-TSHR

Inflammation

PCT
IL-6

Autoimmunity

ANA
dsDNA
Anti-CCP
RF
tTg IgG
tTg IgA
DGP IgG
DGP IgA
GADA
IAA
IA-2A
ICA
ZnT8A

Bone Metabolism

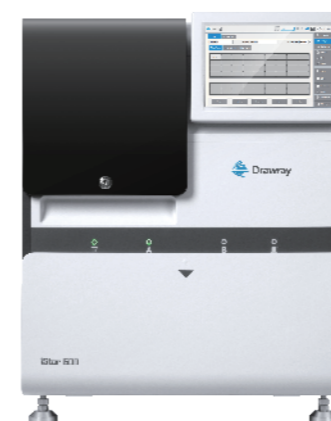
25-OH Vitamin D

Tumor Marker

Pepsinogen I
Pepsinogen II
Gastrin 17
CEA
AFP
CA 125
CA 15-3
CA 19-9

Specifications

Model	iStar 500
Detection Principle	Acridinim-ester direct chemiluminescence
Throughput	36T/H. Time to first result: 11mins
Auto Sampling Position	5
Sample Types	Serum, Plasma, Urine
Sample Volume	5-150uL
Reagent Position	12
Reaction Vessel Capacity	48
Incubation position	24
Interface	10.1" build-in multi-color touch screen
Incubation Temperature	37.0±0.3 C
Operation Conditions	Environment temperature: 10-30 C Environment Humidity: <70%RH
Communication Ports	Network port, com port, support bi-direction LIS
Dimensions	550mm(W) X 570mm(L) X 680mm(H)
Weight	55kg



iStar 500

Chemiluminescence Immunoassay Analyzer

Every Shining Test Matters

iStar 500

Chemiluminescence Immunoassay Analyzer Every Shining Test Matters

iStar 500 is a highly-automated mono-test analyzer based on chemiluminescent immunoassay (CLIA) technology. The compact and integrated design with the addition of highly sensitive CLIA technology make it an ideal choice for emergency diagnosis or small to medium labs looking for highly accurate testing results.



Emergency diagnosis

The ready-to-use mono-test reagent strips and high test speed (time to first result: 11mins) qualify iStar 500 to meet the challenges of emergency diagnosis.



Multi-parameter consecutive testing

Different parameters can be tested consecutively at the same time without any limitation. Assay combos can be set up freely.



Outstanding flexibility

The compact and integrated design have given the highly flexibility for iStar 500 to fit in most labs. Mono-test reagent strips without limitation of opening stability are economical and budget-saving for labs with less or intermittent testing demands.



High automation

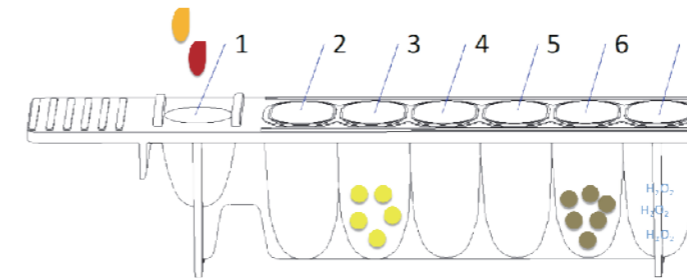
iStar 500 is a highly automated system that supports functions including auto-sampling, bi-direction LIS, and real-time monitoring of status of reagents and the consumables.



CLIA technology

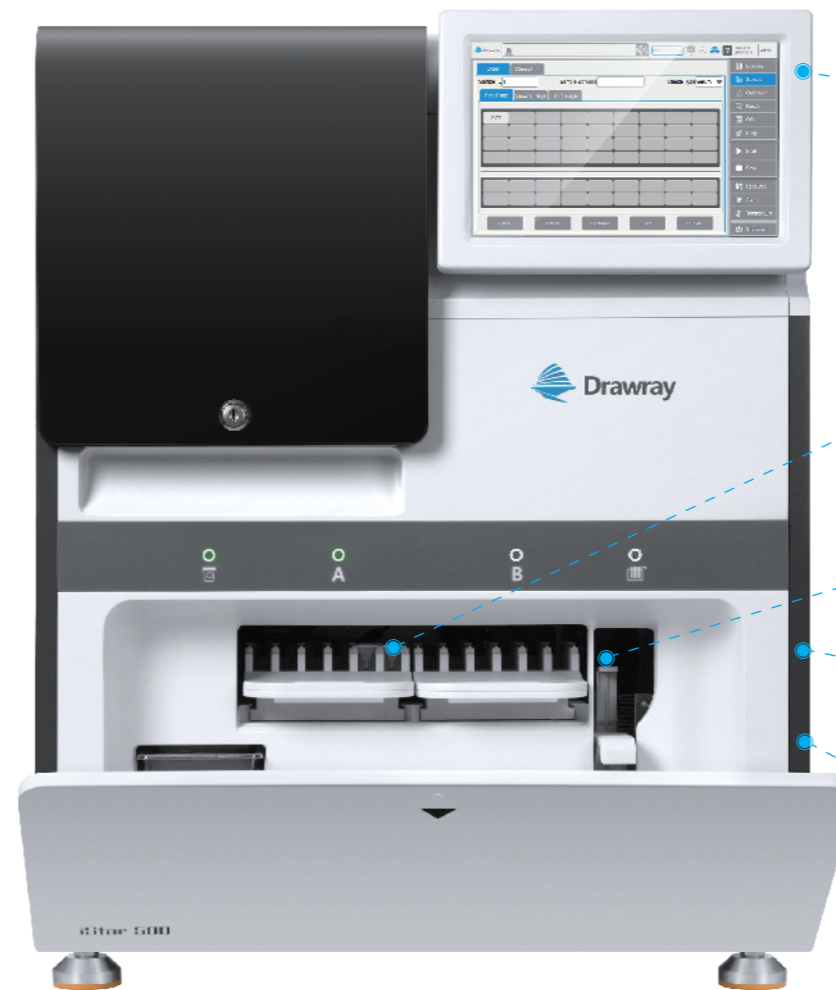
iStar 500 with highly-sensitive CLIA technology is able to efficiently deliver more accurate and stable testing results.

Exclusive Patented Reagent Strip



- Mono-test
- Ready-to-use
- No limitation on opening stability

1. Manual sampling position
3. Acridinium-ester-labeled antigen/antibody conjugate
6. Magnetic particles coated with antigen/antibody
7. Pretrigger--H₂O₂
- 2,4,5. Components vary among parameters



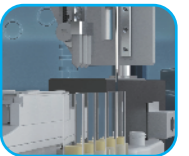
10.1" Touch screen with user-friendly software



Independent membrane-punching awl for reagent accessibility to avoid cross-contamination



Auto sampling inner & outer high-pressure cleaning / liquid level detection / air suction detection / clot detection



Multi-stage temperature control ensures the reaction temperature to be 37.0±0.3°C



4-Step magnetic separation to maximally wash away interferences while avoiding loss of the analyte for optimal testing accuracy

