

Test Panels

Cardiac Marker

Myo
 CK-MB
 cTnl
 hs-cTnl
 NT-proBNP
 D-Dimer
 HCY

Anemia

Ferritin
 Vitamin B12
 Folate

Growth

hGH
 IGF-I
 IGFBP-3

Reproductive Health

Prolactin
 E2
 LH
 Testosterone
 Progesterone
 FSH
 HCG

AMH

Inhibin B
 SHBG
 DHEA-S

Liver Health

CHI3L1
Allergy
 Total IgE

Thyroid

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

Inflammation

PCT
 IL-6
 SAA
 CRP
 HBP

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

PG I
 PG II
 Gastrin 17
 CEA
 AFP
 CA 125
 CA 15-3
 CA 19-9
 PSA
 fPSA
 AFP-L3%
 PIVKA-II

Glycometabolism

C-peptide
 Insulin

Specifications

Model	iStar 500
Detection Principle	Acridinium-ester direct chemiluminescence
Throughput	36 T/H
Time to first result	11 mins
Auto Sampling Position	5
Sample Types	Serum, Plasma, Whole blood, etc.
Sample Volume	5-150 uL
Reagent Position	6 × 2
Reaction Vessel Capacity	24 × 2
Interface	10.1" build-in touch screen
Incubation Temperature	37.0 ± 0.3°C
Communication Ports	Network port, com port, bi-direction LIS
Dimensions	550 mm(W) × 570 mm(D) × 680 mm(H)
Weight	55 kg



iStar 500

Chemiluminescence Immunoassay Analyzer

Flexibility Meets Accuracy

iStar 500

Chemiluminescence Immunoassay Analyzer Flexibility meets Accuracy

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



Compact design

- Mono-test reagent strip
- Mini-sized reagent kit
- Bench top analyzer



High efficiency

- Throughput up to 36 T/H
- The first result comes in 11 minutes



Outstanding flexibility

- Reagents are packaged in a single strip
- Ready-to-use
- No limitation of reagent opening stability
- Multi-parameter consecutive testing



High automation

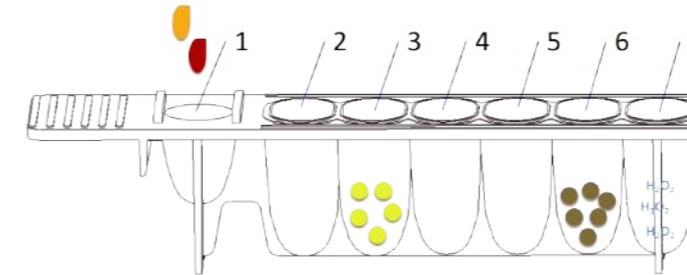
- Automatic sampling and cuvettes grabbing
- Real-time monitoring the status of consumables
- Supporting bi-direction LIS and USB



Accurate results

- Advanced direct CLIA technology, the sensitivity $< 10^{-18}$
- Anti-contamination washing system
- Non-contact mixing

Reagent Strip



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



10.1" touch screen

with user-friendly software interface



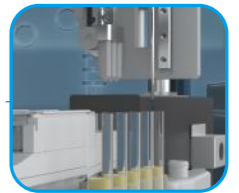
Independent membrane-punching awl

avoids cross-contamination



Automatic sampling & Internal and external high-pressure cleaning

with detecting functions of liquid surface, clots, and air suction



Multi-stage temperature control

ensures the reaction temperature to be $37.0 \pm 0.3^\circ\text{C}$



4-step magnetic separation

maximizes wash away interference

