

Test Panels

Cardiac Marker cTnI hs-cTnI hs-cTnI II Myo Myo II CK-MB CK-MB II D-Dimer D-Dimer II NT-proBNP NT-proBNP-II	Reproductive Health E2 LH FSH HCG AMH SHBG DHEA-S Inhibin B Prolactin Testosterone Progesterone	Thyroid TSH T3 T4 FT3 FT4 Tg Anti-Tg Anti-TPO Anti-TSHR	Inflammation PCT IL-6 SAA CRP HBP	Tumor Marker PG I PG II CEA AFP PSA fPSA CA 125 CA 15-3 CA 19-9 Gastrin 17	Torch *Toxo IgG *Toxo IgM *Rubella IgG *Rubella IgM *CMV IgG *CMV IgM *HSV-1 IgG *HSV-1 IgM
Anemia Folate Ferritin Vitamin B12	Growth hGH IGF-I IGFBP-3	Hypertension * ACTH * Cortisol	Autoimmunity IAA ICA GADA IA-2A ZnT8A RF ANA dsDNA Anti-CCP tTg IgG tTg IgA DGP IgG DGP IgA MPO IgG PR3 IgG Anti-Cardiolipin Anti-β2 Glycoprotein I	Glycometabolism Insulin C-peptide	
Food Safety * B(a)p * AFB1 * Capasin	Allergy * Total IgE	Thrombosis * PIC * TM * FDP * TAT * T-PAI.C * D-Dimer	Bone Metabolism 25-OH Vitamin D		
	Liver Health * CHI3L1	Cerebral Apoplexy * s100 * Lp-PLA2			

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



Mono-test CLIA

iStar 500

Chemiluminescence Immunoassay Analyzer

Flexibility Meets Accuracy

iStar 500

Chemiluminescence Immunoassay Analyzer Flexibility meets Accuracy

i Star 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

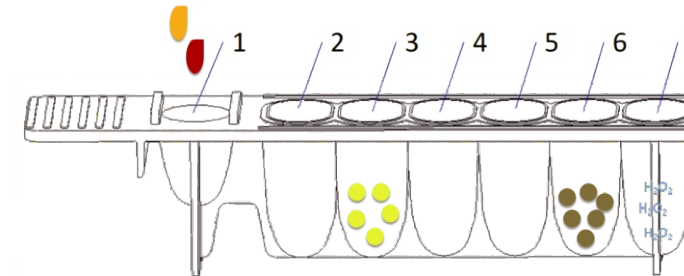
- Automatic sampling and cuvettes grabbing
- Real-time monitoring the status of consumables
- Supporting bi-direction LIS and USB



Accurate results

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

Mono-test Strip



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



10.1" touch screen

with user-friendly software interface



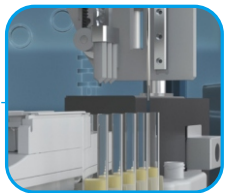
Independent membrane-punching awl

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

